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MARINE CORPS STUDIES CATALOG

Fiscal Year 1991

VOLUME III

1986 - 1991



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MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5001

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Encl: (1) Marine Corps Studies Catalog - Fiscal Year 1991

1. The enclosure is forwarded pursuant to the reference. This catalog provides users with a ready source for reviewing major studies performed within the Marine Corps Studies Program. Included is an alphabetical listing of studies by category, descriptive summaries of each study completed since 1986, and those in an ongoing status.

2. Users of this catalog are encouraged to submit recommended additions, deletions, and any proposed improvements for the catalog to CG MCCDC (WF13F).

M R Steele
M. R. STEELE
By direction

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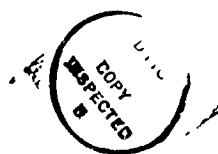
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4th MAW	(2)		
4th FSSG	(2)		

TABLE OF CONTENTS

	Page
CHAPTER 1. INTRODUCTION	1-1
1.1. PURPOSE	1-1
1.2. DEFINITION OF TERMS	1-1
a. Studies Control Number (SCN)	1-1
b. Center for Naval Analyses (CNA) Number . .	1-1
c. Title	1-1
d. Category	1-2
e. Classification	1-2
f. Sponsor	1-2
g. Performing Activity	1-2
h. Time Frame	1-2
i. Status	1-2
j. Defense Technical Information Center Number	1-3
k. Summary	1-3
1.3. STUDY LISTINGS	1-3
1.4. STUDY SUMMARIES	1-3
1.5. SYNOPSIS	1-3
1.6. UPDATE	1-3
CHAPTER 2. STUDY LISTINGS	2-1
SECTION I. INTRODUCTION	2-1
2.1. PURPOSE	2-1
2.2. ORGANIZATION	2-1
SECTION II. LISTING BY CATEGORY	2-3
CONCEPTS AND PLANS	2-3
INSTALLATIONS AND LOGISTICS	2-4
INTELLIGENCE	2-5
INTERNATIONAL SECURITY	2-5
MANAGEMENT	2-5
MANPOWER AND PERSONNEL	2-5
OPERATIONS AND FORCE STRUCTURE	2-8
SCIENCES, TECHNOLOGY, SYSTEMS, AND EQUIPMENT .	2-10

CHAPTER 3. STUDY SUMMARIES	3-1
3.1. GENERAL	3-1
3.2. Fiscal Year 1986	3-1
3.3. Fiscal Year 1987	3-11
3.4. Fiscal Year 1988	3-27
3.5. Fiscal Year 1989	3-46
3.6. Fiscal Year 1990	3-69
3.7. Fiscal Year 1991	3-90
 APPENDIX 1. STUDIES CONTROL NUMBERING SYSTEM FY	
1985/1987	A-1
 APPENDIX 2. STUDIES CONTROL NUMBERING SYSTEM FY	
1988 - 1990	A-2
 APPENDIX 3. STUDIES CONTROL NUMBERING SYSTEM FY 1991 . .	A-3

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MARINE CORPS STUDIES CATALOG

VOLUME III - 1986-1991

CHAPTER 1. INTRODUCTION

1.1. **PURPOSE.** The purpose of the Marine Corps Studies Catalog is to provide a ready source for reviewing studies and analyses that have been undertaken by the Marine Corps or are directly related to the Marine Corps. The Department of Defense (DoD) central data bank, which is maintained by the Defense Technical Information Center (DTIC), is the main DoD source of information for planned, ongoing, and completed studies and analyses. The Marine Corps Studies Catalog is intended to supplement the DTIC data bank; the DTIC data bank and this Marine Corps Studies Catalog should be consulted prior to the initiation of any Marine Corps study or analysis in an effort to avoid unnecessary duplication of other planned, ongoing, or completed studies and analyses. Volume III of this catalog supplements the previous two volumes which contain study data from 1963 through 1987. Volume III contains updated information on 1986 and 1987 studies whose status was incomplete when the previous volumes were published in addition to 1988 - 1991 studies. Further information with regard to the Marine Corps studies system is contained in Marine Corps Order P3902.1A.

1.2. **DEFINITION OF TERMS.** To assist the users of this catalog, the terms used herein are defined below.

a. **Studies Control Number (SCN).** Study Control Numbers consist of the Marine Corps DTIC accession indicator "DM" for FY 86-90 and "29" commencing in FY 91, followed by six digits assigned by the Marine Corps Combat Development Command (MCCDC) to track a study from inception to completion. The SCN numbering system has been modified during the period of studies covered by Volume III to conform with DoD standardization guidance. SCN numbering schemes for specific years can be located as described below:

- | | |
|-----------------|------------|
| (1) 1986 - 1987 | Appendix 1 |
| (2) 1988 - 1990 | Appendix 2 |
| (3) 1991 | Appendix 3 |

b. **Center for Naval Analyses (CNA) Number.** For those studies and analyses performed by CNA, a CNA number is assigned in addition to the SCN.

c. **Title.** The full title of the study or analysis.

d. **Category.** Each study contained in this catalog is listed under one of the following eight categories:

- (1) Concepts and Plans
- (2) Installations and Logistics
- (3) Intelligence
- (4) International Security
- (5) Management
- (6) Manpower and Personnel
- (7) Operations and Force Structure
- (8) Science, Technology, Systems and Equipment

e. **Classification.** The security classification of the study or analysis.

f. **Sponsor.** The head of the staff office within HQMC which has primary cognizance over the subject matter contained in the study.

g. **Performing Activity.** The agency responsible for the actual conduct of the study or analysis. These include MCCDC, CNA, Office of Naval Research (ONR), Navy Systems Commands (NSC), Navy Laboratories, other DoD study activities and civilian contractors.

h. **Time Frame.** One of the following three time periods which the study problem addresses:

- (1) Short Range. The current year plus one year.
- (2) Mid-Range. The period commencing at the end of the short-range period and projected ten years.
- (3) Long Range. The period commencing at the end of the midrange period and projected ten years.

i. **Status.** The status of a study is listed in one of the following four categories:

- (1) Completed. This indicates the study has been completed and approved for publication.
- (2) On-going. The study agency has initiated work on an assigned study and it is ongoing at the time of this catalog's publication.

(3) Staffing. The study has been completed and the final report is undergoing review at HQMC at the time of this catalog's publication.

(4) Terminated. A study which was initiated, entered into the Defense Technical Information System but terminated prior to publication.

j. **Defense Technical Information Center Number.** The DTIC maintains and disseminates information on all DoD scientific and technical documents. Final reports of all Marine Corps approved studies are to be given to DTIC for inclusion in their data bank and assignment of a DTIC number. Copies of DoD studies can be obtained from DTIC by utilizing the assigned DTIC number. Copies of studies not held by DTIC may possibly be obtained from the sponsor. A DTIC number may have been assigned to a study after publication of this catalog. Required data may be obtained by a title search.

k. **Summary.** The summary is a brief description of the purpose and/or objectives of the study.

1.3. **STUDY LISTINGS.** Chapter 2 of this catalog contains a listing of Marine Corps studies. Study titles are listed alphabetically under one of the eight categories noted in paragraph 1.2.d. above.

1.4. **STUDY SUMMARIES.** Chapter 3 contains summaries of all Marine Corps studies. The summaries are organized by fiscal year and appear in SCN sequence within the fiscal year.

1.5. **SYNOPSIS.** This catalog is a reference publication. Its purpose is to assist the user in obtaining scientific and technical data from the Marine Corps and DTIC and to prevent unnecessary duplication of analytical effort. For further information concerning DTIC resources, call or write:

Defense Technical Information Center
ATTN: DTIC-DDR-2
Cameron Station
Alexandria, VA 22304-6145
Commercial - (202) 274-6871/6872
AUTOVON - 284-6871/6872

1.6. **UPDATE.** The Commanding General, Marine Corps Combat Development Command, Quantico, Virginia 22134-5001 is responsible for the annual update of this catalog. Additions/deletions and/or recommendations should be addressed to:

Commanding General (WF13F)
Marine Corps Combat Development Command
Quantico, VA 22134-5001
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CHAPTER 2. STUDY LISTINGS

SECTION I. INTRODUCTION

2.1. **Purpose.** This chapter provides for a rapid method of locating a Marine Corps study.

2.2. **Organization.** Section II, Listing by Category, lists the Marine Corps Studies and Analyses by category and title. Refer to Chapter 1, paragraph 1.2.d for the functional area categories used in this catalog.

CHAPTER 2. STUDY LISTINGS

SECTION II. LISTING BY CATEGORY

CONCEPTS AND PLANS

Page

Air Transport Needs for Support of Marine Combat Operations	3-57
Antiradiation Missile (ARM) Analysis	3-81
Attack Helicopter Augmentation Plan	3-37
Aviation Support Equipment Commonality Between USMC and USN Activities for Emergency Support of Diverted Aircraft	3-16
C3 Systems Interdependency Study	3-16
Command and Control Concept for Maneuver Warfare and Over-the-Horizon (OTH) Operations	3-91
Command and Control of Aircraft, Missiles, and RPVs (MAA 35)	3-42
Crisis Interaction Requirements	3-76
ESS Ground and Air Configurations	3-65
Evaluation of Third Marine Division's C4I2 Concept During TEAM SPIRIT 88	3-43
Feasibility Analysis for the Production of a "Battlefield Concepts" Training Publication	3-24
GLOBAL WAR GAME 87 Tracking Items	3-15
Guided and Unguided Weapons for Close Air Support	3-42
HIGH PORT 87 Issues During GLOBAL WAR GAME 87	3-17
Joint Navy/Marine Corps Study Concept for Deployment of the Assault Follow-on Echelon	3-34
Level and Mix of Ground-to-Air Weapon Systems for the Marine Air-Ground Task Force	3-60
Live Fire and Simulated Fire Mix During Training	3-16
Long Range Study	3-14
Low Intensity Conflict Simulation and Scenario Upgrade and Development Study	3-66
Low Intensity Conflict Simulation Development	3-88
MAGTF Integrated Air Defense Study	3-79
MAGTF Operations in an NBC Environment	3-92
MARCORS 1B STOVL Threat Laydown	3-65
Marine Corps Aviation Combat Element	3-80
Marine Corps Ground Ammunition War Material Requirements	3-78
Marine Corps LIC Employment by the Unified CINCs	3-83
Marine Corps Professional Reading Program - Implementation Ideas	3-79
Marine Corps Scenario Development	3-92
Marine Corps - Today and Tomorrow	3-75
Middle East Crisis Study	3-75
MIFASS and AFATDS - Comparative Study	3-15
Mission Area Analysis MA 12 - Intelligence	3-88

CONCEPTS AND PLANS Continued

	<u>Page</u>
Mission Area Analysis MA 13 - Security	3-92
Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter mobility	3-55
Mission Area Analysis MA 24: Fire Support (1992-1996)	3-36
Mission Area Analysis MA 32 - Anti-Air Warfare	3-93
Mission Area Analysis MA 33 - Assault Support	3-65
Mission Area Analysis MA 36 - Electronic Warfare	3-10
Mission Area Analysis MAs 41/42/43 - Supply/ Maintenance/Services	3-88
Mission Area Analysis MA 44 - Engineer	3-55
Mission Area Analysis MA 46 - Services	3-91
Mission Area Analysis MA 70 - Manpower	3-93
Mission Area Analysis MA 212 - Indirect Fire Support	3-10
Mission Area Analysis MA 214 - Ground Based Anti-Air and Tactical Missile Defense	3-24
Mission Area Analysis MA 232.3 Ship-to-Shore Movement	3-11
Mission Area Analysis MA 320 Anti-Air Warfare	3-45
Mission Area Analysis MA 345 Tactical Communications	3-11
MV-22 Operational Assessment	3-3
NorthEast Asia Scenario	3-93
Preliminary Time and Cost Analysis for the SEAF	3-52
Readiness and Capability Assessment	3-15
Sealift Expeditionary Airfield (SEAF) Study	3-61
Ship-to-Shore Movement of the Assault Follow-on Echelon	3-82

INSTALLATIONS AND LOGISTICS

Blood Management in the Fleet Marine Force	3-34
CH-46E Helicopter Reassembly During Exercise COLD WINTER 87	3-20
Class III Consumption Factors	3-50
Combat Active Replacement Factors	3-51
Combat Excavator COEA	3-6
Combat Service Support Structure Analysis	3-6
CSS Data Transfer Requirements	3-7
Expeditionary Airfield Component Maintenance Requirements	3-7
Fifth-Echelon Maintenance Policy and the Sustainability of Marine Amphibious Forces	3-34
Land and Training Area Requirements (LATAR)	3-19
Marine Air-Ground Task Force Engineering Support for Airbase Survivability During Amphibious Operations.	3-35
Marine Corps Material Acquisition and Support	3-55
Marine Corps Mobile Electric Power (MEP) Requirements (1985-1995)	3-5
Marine Corps Training Area	3-20
Planning Factors Approach	3-75

INSTALLATIONS AND LOGISTICS Continued

Page

Queuing Theory Review for the Initial Spares Optimization Model	3-6
Religious Program Logistics in Combat (1991-2000)	3-95
Report of the Phase I Seminar of HIGHPORT 87	3-5
Stock Rotation Study Final Report	3-54
Stock Rotation Study Interim Report	3-35

INTELLIGENCE

Battlefield Intelligence	3-50
Intelligence Tactical Training Situation	3-50
Tirara for Amphibious Operations in the 1989-2000 Time Frame (MAA 120: Intelligence)	3-10

INTERNATIONAL SECURITY

A Sampling of U.S. Naval Humanitarian Operations	3-89
U.S. Navy Crisis Response Activity, 1946-1989: Preliminary Report	3-68

MANAGEMENT

Acquisition Management by the Armed Forces	3-68
Analysis of Procedures for Management of Reserve Equipment at Marine Corps Base, Camp Lejeune During Mobilization	3-23
Evaluation and Modification of U.S. Marine Corps Summary Version Life-Cycle Cost Model	3-67
Evaluation of the U.S. Marine Corps Summary Version Life-Cycle Cost Model (SVLCCM) Algorithms	3-67
Marine Corps Combat Development Command Analysis Study (Phase I)	3-89
Marine Corps Studies Information System	3-89
System Specifications for the Summary Version Life-Cycle Cost Model	3-68
User Fees and Program Costs in Marine Corps Child Care Centers	3-66
Wargaming in Support of the POM Process	3-97

MANPOWER AND PERSONNEL

ADSO for Marine Corps Aviators	3-38
Air Controller Aptitude Battery Development	3-30
Alternative Measures of Rifle Skills	3-74
Alternative Modeling Approaches for Setting Cost-Effective Qualification Standards	3-11

MANPOWER AND PERSONNEL Continued

	<u>Page</u>
Approximations for Three Statistical Functions	3-71
Attrition from Selected Marine Corps Reserve: Enlisted	
Prior-Service and Non-Prior-Service Reservists	3-13
Attrition in the Selected Marine Corps Reserve	3-27
Attrition Rates in Setting Height-Weight Standards	3-47
Bayesian Scoring Procedures for Computerized Adaptive	
Tests	3-13
Calculating the Performance Gain Due to Improved	
Predictive Validity	3-72
Casualty Rate Estimation	3-90
Common Metric in Item-Response Theory	3-32
Competency Scale for Hands-on Measures of Job	
Proficiency	3-27
Concurrent Versus Enlistment ASVAB in Evaluation	
of New Tests	3-70
Consequences of Improving a Test Battery	3-31
Curvilinear Alternative to Linear Equating	3-25
Data Quality for the Infantry Phase of the Marine	
Corps Job Performance Measurement Project	3-46
Defining the Population Making Reenlistment Decisions	3-29
Discharge Reasons for Enlisted Marines: FY 1979	
through FY 1988 Separations	3-49
ECAT and CAT-ASVAB Projects	3-70
Effect of GT Composite Requirement on Qualification	
Rates	3-71
Effect of Personal Characteristics on Attrition	
from the Selected Marine Corps Reserve	3-13
Effect of Professional Military Education on	
Individual Performance	3-24
Effects of Selective Reenlistment Bonuses on	
Retention	3-2
Enlisted Women in the Marine Corps: First-Term	
Attrition and Long-Term Retention	3-74
Equity in Disciplinary Rates	3-28
Equivalent-Groups Versus Single-Group Equating	
Designs for the Accelerated CAT-ASVAB Project	3-1
Estimating Reliabilities of CAT-ASVAB Subtests	3-28
Evaluating Minimum Aptitude Standards	3-48
Extension and Subsequent Reenlistment in the	
United States Marine Corps	3-12
Forecasting Enlistment Bonus Payments	3-31
Identifying Successful Marine Corps Recruits	3-72
Incremental Validity of New Tests in Prediction	
of Infantry Performance	3-72
Interim Results for the Marine Corps Job Performance	
Measurement Project	3-29
Job Knowledge Tests for U.S. Marine Corps Tactical	
Air Controllers and STINGER Personnel	3-39
Length of Time in the Delay-Entry Program and Its	
Effect on Marine Corps First-Term Survival	3-73

MANPOWER AND PERSONNEL Continued

Page

Linear and Equipercentile Test Equating Procedures in Large Samples	3-31
Manpower, Personnel, and Training (MPT) Course Analysis and Development	3-90
Marine Corps Attrition Interactive Data Base (MCAID)	3-49
Marine Corps Attrition Interactive Database (MCAID) for the Personal Computer	3-74
Marine Corps Dependency Rate Projection Model Spreadsheet	3-1
Marine Corps Enlisted Retention	3-54
Marine Corps Family Programs	3-25
Marine Corps Officer Augmentation Study	3-30
Marine Corps Recruiting Study	3-69
Marine Corps Wartime Casualty Rate (CASRATE)	3-43
Marine Corps Wartime Casualty Rates in the Long Range	3-54
Math Knowledge Item Pool for the Accelerated CAT-ASVAB Project	3-14
Methods to Assess the Utility of Proxies	3-73
Modeling Spikes in Hazard Rates	3-26
Ordered Versus Unordered Models of Satisfaction with Military Life	3-46
PCS Move Model Evaluation	3-26
Performance of Basic Infantry Tasks	3-48
Personnel Awaiting Training in the Marine Corps	3-29
Physical Fitness of Marine Corps Recruits	3-47
Predicting 21-Month Completion in the Marine Corps Using the Adaptability Screening Profile	3-71
Professional Military Education	3-27
Projecting Reenlistment Rates for Use with the Enlisted Bonus Allocation Model	3-2
Relation Effects of Selective Reenlistment Bonuses in the United States Marine Corps	3-14
Relative Average Recruiting Yields by AFQT Category	3-48
Revision of Manpower Requirements Determination Program (MRDP)	3-90
Role of Aptitude Factors in Predicting Hands-on Job Performance	3-70
Satisfaction With Military Life - A Factor Analysis of Marine Corps Data	3-28
Scaling the Proposed New Armed Forces Qualification Test Composed of Verbal, Arithmetic Reasoning, and Math Knowledge	3-2
Selection Criteria for Professional Military Education	3-12
SO/LIC GPS Foreign Language Proficiency	3-91
Statutory History of the U.S. Marine Corps Reserve	3-25
Surrogates for hands-On Tests: Selection Standards and Training Needs	3-73
Tenth Grade Norms for the ASVAB	3-12

MANPOWER AND PERSONNEL Continued**Page**

Three Procedures for Operational Calibration of the ASVAB	3-32
Tradeoffs in Using Alternative Height-Weight Standards	3-49
USMC Occupational Field 72 Training System Development Volume I: Main Text and Appendixes A and B	3-36
USMC Occupational Field 72 Training System Development Volume II: Appendix C	3-36

OPERATIONS AND FORCE STRUCTURE

Aerial Port of Debarkation Operations During FREEDOM BANNER 2-88	3-51
Air-Defense Requirements for Marine Combat Operations Ashore	3-51
Analysis Objectives and Data-Collection Plans for CAROLINA COMBAT ACE 1-89	3-41
Analysis Objectives and Data-Collection Plans for Pre-D-Day SOLID SHIELD 89	3-52
Analysis Objectives and Data-Collection Plans for WTI 1-89 Exercise Support	3-41
Analysis Objectives and Data-Collection Plans for WTI 2-88 Exercise Report	3-32
Analysis Objectives and Data-Collection Plans for WTI 2-89 Exercise Support	3-57
Analysis of Exercise Agile Sword 86	3-5
Analysis of Message Traffic During TEAM SPIRIT 88	3-43
Analysis of Pre-D-Day Activities of Exercise SOLID SHIELD 89	3-76
Analysis of WTI 2-89 Close Air Support	3-59
Assault Support Operations Against an Integrated Air Defense System During WTI-90	3-81
Assessment of Fighter Air Defense During CAROLINA COMBAT ACE 1-89	3-59
Automation of the Marine Corps Health Service Support (HSS) for Use Within the Combat Service Support Training Simulation System	3-95
CAROLINA COMBAT ACE 1-88 Exercise	3-33
CAROLINA COMBAT ACE 1-89 Exercise	3-52
CAROLINA COMBAT ACE 2-88 Exercise	3-40
Close Air and Close-in Fire Support Requirements for MAGTF Combat Operations Ashore	3-58
Close Air Support and Close-In Fire Support During Combined-Arms Exercises	3-57
Combined Arms Training	3-23
Data Collection Plan for the Withdrawal Phase of Exercise COLD WINTER 87	3-4
Deep Air Support Requirements for Marine Corps Combat Operations Ashore	3-56

OPERATIONS AND FORCE STRUCTURE Continued

Page

Expeditionary CSS	3-77
Expeditionary CSS	3-78
FMF Force Module Enhancement	3-69
Fuzzy-Set Techniques in Exercise Reconstruction	3-53
GALLANT EAGLE 88	3-33
HIGH PORT 87	3-33
Light Armored Infantry Battalion Force Structure	3-46
MAGTF Aviation Requirements	3-80
MAGTF Bulk Fuel Requirements	3-77
MAGTF Bulk Fuel Requirements	3-78
Marine Aviation Requirements Study: Final Report	3-58
Marine Corps Artillery Structure Study (1986-1995): A Summary Report	3-4
Marine Corps Aviation Mishap Rate Assessment	3-95
Marine Corps Capabilities	3-69
Marine Corps Model	3-94
Maritime Prepositioning Force Operations During Exercise TEAM SPIRIT 87	3-18
MAWTS-1 WTI 2-88 Offensive Antiair Warfare Exercise	3-39
Measuring the Effectiveness of Alternative Marine Corps Attack Helicopter Forces	3-3
MPF Operations in Exercise AHUAS TARA 90	3-76
OCEAN VENTURE 88	3-53
Offload of the SS OBREGON During Exercise SOLID SHIELD 87	3-18
OPSTEMPO and Readiness (1991-2010)	3-94
Quicklook Analysis of WTI 1-89 Air Defense Exercise	3-56
Quicklook Analysis of WTI 1-89 Offensive Antiair Warfare Exercise	3-42
Selected Marine Corps Reserve	3-17
Selected Marine Corps Reserve Structure Study: Final Report	3-30
Ship-to-Shore Operations in TEAM SPIRIT 89	3-53
Sourcing of Two MABS from a MAF	3-19
Tailoring the MAGTF for Combat Against a Strong Armored Threat	3-94
Time-Motion Model for Geo-Prepositioned MAB Operations in Central Norway	3-4
Time-Motion Model Runs and Sensitivity Analysis - Volume I: Main Test and Appendixes A-B	3-17
Time-Motion Model Runs and Sensitivity Analysis - Volume II: Appendixes C-D	3-18
Troopship Capacities	3-3
Using MCCRES to Diagnose Training Deficiencies in the Marine air Command and Control System	3-35
WTI 1-89 Air Defense Exercise Reconstruction and Results	3-59
WTI 2-88 Air-Defense Exercise Reconstruction and Results	3-41
WTI 2-88 Close Support Exercises	3-40

OPERATIONS AND FORCE STRUCTURE Continued

Page

WTI 2-89 Offensive Antiair Warfare	3-60
WTI Air-Defense Exercises: Retrospective Analysis . .	3-58

SCIENCES, TECHNOLOGY, SYSTEMS, AND EQUIPMENT

AAAV Options and AAAV Delivery Craft	3-45
Advanced Amphibious Assault (AAA) Program Cost and Operational Effectiveness Analysis (COEA):	
Ship-to-Shore Supporting Analysis	3-87
Advanced Amphibious Assault (AAA) Program Costs and Operational Effectiveness Analysis (COEA) Ship . .	3-83
Advanced Amphibious Assault Program Cost and Operational Effectiveness Analysis: Force Effectiveness . . .	3-86
Advanced Amphibious Assault Program Cost and Operational Effectiveness Analysis: Performance Analysis . . .	3-86
Advanced Amphibious Assault Vehicle in Operations Ashore	3-44
Advanced Amphibious Assault Vehicle in the Ship-to-Shore Movement	3-61
Advanced Amphibious Assault Vehicle Operational Effec- tiveness and Cost Analysis: Executive Summary . .	3-62
Advanced Technology Operational Assessment	3-66
Air-Defense Gun Model - Volume I	3-8
Air-Defense Gun Model - Volume II: Appendix D	3-8
Alternative Marine Corps Light Attack Helicopter Forces	3-38
Alternative Rifle Grenades	3-22
Antiarmor Effectiveness of LAV Assault Gun Candidates .	3-20
Assessing Armor and Armament Requirements for AAAVs . .	3-62
C3 Comparison Methodology	3-82
CASS Portable Test Set (CPTS) Cost and Operational Analysis	3-80
Catapult Launched Fuel-Air Explosive (CATFAE) System Cost and Operational Effectiveness Analysis	3-37
Communications Security Equipment Management	3-21
Comparison of Two Cueing Systems for LAAD Teams	3-85
Design and Interpretation of Tests on Instrumented Ranges: Lessons From LAV FOT&E Phase III	3-22
Detailed Attrition Data for the Advanced Amphibious Assault Program Cost and Operational Effectiveness Analysis	3-87
ELINT Support System (ESS) Alternatives	3-84
FIREFLEX Appraisals	3-62
High Speed Transporter (HST)	3-82
IADEX 1-90: Use of Information From Nonorganic Sources by the Integrated Air Defense System	3-84
Improvement Systems for the AAVP7A1 and Their Operations Ramifications	3-26
Initial Activation of West Coast T-AVB	3-77

SCIENCE, TECHNOLOGY, SYSTEMS AND EQUIPMENT Continued

	<u>Page</u>
Interim Fireflex Systems	3-86
LAV-AG Cost and Operational Effectiveness Analysis . .	3-56
LAV Air-Defense Engagement Model: Application to the LAV-AD	3-9
LAV FOT&E Phase III: A Review of the Engagement Data During the Air Trials	3-8
LCAC Survivability	3-44
Lessons Learned from the MIFASS Development	3-22
Life-Cycle Costs of Advanced Assault Amphibious Vehicle Candidates	3-44
Long Range Technology Assessment	3-83
MAGTF Communications/Computer Architecture Study (Phase I)	3-61
Marine Corps Communication Control 1994-2004	3-60
Measuring Suppressive Firepower for Attack Helicopters	3-9
Mines/Minelaying and Countermine Requirements for the Mid-Range	3-96
Mobility and Stability of Tracked and Wheeled Vehicles	3-21
Night Enhancement Capabilities for MAGTF Close Combat Operations	3-96
Simulator for Ground Control Intercept Training	3-40
Standoff Land-Attack Missile in SEAD Operations	3-39
T-AVB Support of Marine Corps Force Modules	3-79
Tactical Directed Energy Warfare (TDEW)	3-84
Technical Control of Analog/Digital Communications . .	3-7
Technology Based Decision Support System	3-45
Tracks Versus Wheels: A Comparison of the Performance and Cost of Tracked and Wheeled Vehicles	3-37
Tracks Versus Wheels: The Cost Issue	3-21
Unmanned Ground Vehicles (UGV)	3-96
Use of Nonorganic Sources by the Integrated Air Defense System in IADEx 1-90	3-85
VEHMOB2: A Revision of the Vehicle Mobility Model . .	3-9

CHAPTER 3. STUDY SUMMARIES

3.1. **GENERAL.** The studies contained in this chapter are listed by the fiscal year in which each study was initiated. To find a study by category or mission area, refer to the appropriate section of Chapter 2.

3.2. Fiscal Year 1986

SCN: DM 611011
CNA No.: CRM 87-3
Title: **Using the Marine Corps Dependency Rate
Projection Model Spreadsheet**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1987
DTIC No.: AD-B112812
Summary:

Projection model forecasts the percent of Marines in each pay grade who will have at least one dependent. The dependency rates in these projections are sensitive to pay level, average age, and a time trend.

SCN: DM 611012
CNA No.: CRM 87-6
Title: **Equivalent-Groups Versus Single-Group
Equating Designs for the Accelerated CAT-
ASVAB Project**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1987
DTIC No.: AD-A187519
Summary:

Before a Computerized Adaptive Testing (CAT) version of the Armed Services Vocational Aptitude Battery (ASVAB) can be implemented it must be equated to the pencil-and-paper version. This research memorandum reports analysis on the appropriateness of various equating designs.

SCN: DM 611013
CNA No.: CRM 87-43
Title: **The Effects of Selective Reenlistment Bonuses on Retention**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1987
DTIC No.: AD-B114833
Summary:

The effects Selective Reenlistment Bonuses have on reenlistment and extension rates in the Marine Corps are examined.

SCN: DM 611014
CNA No.: CRM 87-55
Title: **Scaling the Proposed New Armed Forces Qualification Test Composed of Verbal, Arithmetic Reasoning, and Math Knowledge**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1987
DTIC No.: AD-B118541
Summary:

Purpose is to present percentile score norms for the proposed new AFQT in the 1980 Youth Population and the scaling of the current forms of the AFQT to the 1980 score scale.

SCN: 611015
CNA No.: CRM 87-57
Title: **Projecting Reenlistment Rates for Use with the Enlisted Bonus Allocation Model**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1987
DTIC No.: AD-B115545
Summary:

Optimal allocation of enlisted bonus money among the various Military Occupational Specialties is described.

SCN: DM 611022
 Title: **MV-22 Operational Assessment**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: HQMC (APW)
 Performing Activity: BDM/HRA
 Time Frame: Mid-Range
 Status: Completed September 1987
 DTIC No.: Not held by DTIC
 Summary:

Investigate initial concepts of employment for the MV-22 OSPREY assault transport aircraft.

SCN: DM 611031
 CNA No.: CRM 86-258
 Title: **A Methodology for Measuring the Effectiveness of Alternative Marine Corps Attack Helicopter Forces**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: HQMC (RD&S)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed January 1987
 DTIC No.: AD-C041446
 Summary:

The option of utilizing light combat helicopters to augment the current attack helicopter inventory is investigated.

SCN: DM 611032
 CNA No.: CRM 87-8
 Title: **Troopship Capacities**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: HQMC (PS&O)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed January 1987
 DTIC No.: AD-B121473
 Summary:

The availability and capability of troop-carrying ships to support deployments of Marine forces is examined.

SCN: DM 611033
CNA No.: CRM 87-24
Title: **Data Collection Plan for the Withdrawal
Phase of Exercise COLD WINTER 87**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: FMFLANT
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1987
DTIC No.: Not held by DTIC
Summary:

A plan for the collection of data during the equipment withdrawal phase of Exercise COLD WINTER 1987 is presented. A separate data form is included for each element of the operation.

SCN: DM 611034
CNA No.: CRM 87-28
Title: **The Marine Corps Artillery Structure Study
(1986-1995): A Summary Report**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1987
DTIC No.: Not held by DTIC
Summary:

Summary of the Marine Corps Artillery Study. Investigates artillery mix options at the regimental level.

SCN: DM 611035
CNA No.: CRC 560
Title: **Time-Motion Model for Geo-Prepositioned
MAB Operations in Central Norway**
Category: Operations and Force Structure
Classification: Secret
Sponsor: FMFLANT
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1987
DTIC No.: Not held by DTIC
Summary:

Time-Motion Model of the withdrawal of prepositioned MAB equipment from Trondheim area of central Norway.

SCN: DM 611036
CNA No.: CRM 87-242
Title: **Analysis of Exercise Agile Sword 86**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: FMFLANT and 5th MAB
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1987
DTIC No.: Not held by DTIC
Summary:

Data collected from AGILE SWORD, a Maritime Prepositioning Force exercise, is examined.

SCN: DM 611041
Title: **Marine Corps Mobile Electric Power (MEP) Requirements (1985-1995)**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (LME)
Performing Activity: CACI
Time Frame: Mid-Range
Status: Completed February 1987
DTIC No.: Not held by DTIC
Summary:

Determine the adequacy of current and planned MEP assets, identification of deficiencies, back-up power requirements, and adequacy of numbers of maintenance personnel.

SCN: DM 611042
CNA No.: CRM 87-41
Title: **Report of the Phase I Seminar of HIGHPORT 87**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1987
DTIC No.: Not held by DTIC
Summary:

Results of Logistics seminar documented.

SCN: 611043
CNA No.: CNR 127
Title: **Analysis of Marine Corps Combat Service Support Structure**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (I&L)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1987
DTIC No.: AD-B114745
Summary:

Results of the Combat Service Support portion of the Marine Corps Logistic System and Combat Service Support Structure Study are presented.

SCN: DM 611044
CNA No.: CRM 87-52
Title: **Combat Excavator COEA**
Category: Installations and Logistics
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed May 1987
DTIC No.: AD-C042322
Summary:

Presents a cost and operational effectiveness analysis of candidates for a Marine Corps combat excavator.

SCN: DM 611045
CNA No.: CRM 87-65
Title: **A Review of the Queuing Theory for the Initial Spares Optimization Model**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (I&L)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1987
DTIC No.: AD-B115787
Summary:

Reviews a queuing theory that would support a spare-parts optimization model for Marine Corps ground systems, such as the Initial Spares Optimization Model (ISOM).

SCN: DM 611051
Title: **Technical Control of Analog/Digital Communications**
Category: Sciences, Technology, Systems and Equipment
Classification: Unclassified
Sponsor: HQMC (CCT)
Performing Activity: NOSC
Time Frame: Mid-Range
Status: Completed October 1988
DTIC No.: Not held by DTIC
Summary:

To determine how the Marine Corps will manage the transition from analog to digital communications.

SCN: DM 611052
Title: **CSS Data Transfer Requirements**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (CCT)
Performing Activity: Electrospace Systems
Time Frame: Short Range
Status: Completed March 1988
DTIC No.: A167908
Summary:

To determine the CSS information exchange requirements in a combat environment among operational facilities and CSS operational facilities.

SCN: DM 611053
Title: **Development of Expeditionary Airfield Component Maintenance Requirements**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC
Performing Activity: CACI
Time Frame: Mid-Range
Status: Completed July 1987
DTIC No.: Not held by DTIC
Summary:

To determine the requirements of Expeditionary Airfield component maintenance needs in the mid-range.

SCN: DM 611054
CNA No.: CRC 549 - Volume I
Title: **Air-Defense Gun Model - Volume I**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1986
DTIC No.: AD-B110900
Summary:

To conduct a cost and operational effectiveness analysis of the light armored vehicle, air-defense variant.

SCN: DM 611055
CNA No.: CRM 87-18
Title: **LAV FOT&E Phase III: A Review of the Engagement Data During the Air Trials**
Category: Sciences, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1987
DTIC No.: AD-C041358
Summary:

Results of the Light Armored Vehicle Follow-On Operational Test and Evaluation investigating the mission effectiveness of the LAV in a hostile air environment.

SCN: 611056
CNA No.: CRC 549 - Volume II
Title: **Air-Defense Gun Model - Volume II: Appendix D**
Category: Sciences, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1987
DTIC No.: AD-C041129
Summary:

Contains classified parameter values and kill probabilities of the LAV air defense variant test and evaluation.

SCN: 611057
CNA No.: CRC 555
Title: **VEHMOB2: A Revision of the Vehicle Mobility Model**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1987
DTIC No.: AD-B109150
Summary:

Modifications made to the Vehicle Mobility Model (VEHMOB) are described.

SCN: DM 611058
CNA No.: CRC 548
Title: **LAV Air-Defense Engagement Model: Application to the LAV-AD**
Category: Sciences, Technology, Systems, and Equipment
Classification: Secret
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1987
DTIC No.: AD-C041109
Summary:

One on one engagement between a LAV-AD and threat aircraft are modeled by simulation.

SCN: DM 611059
CNA No.: CRM 87-49
Title: **Measuring Suppressive Firepower for Attack Helicopters**
Category: Sciences, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (RD&S)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1987
DTIC No.: AD-C041741
Summary:

The general relationship of ordnance weight to fire-suppression potential is examined for attack helicopters.

SCN: DM 611071
Title: **Tirara for Amphibious Operations in the
1989-2000 Time Frame (MAA 120:
Intelligence)**
Category: Intelligence
Classification: Unclassified
Sponsor: HQMC (INTX)
Performing Activity: SPC
Time Frame: Mid-Range
Status: Completed April 1987
DTIC No.: Not held by DTIC
Summary:

To determine significant MAGTF intelligence requirements out to 2000, determine the Marine Corps' capability to satisfy those requirements and to recommend solutions.

SCN: DM 611101
Title: **MAA 212: Indirect Fire Support**
Category: Concept and Plans
Classification: Unclassified
Sponsor: HQMC (POG)
Performing Activity: CACI
Time Frame: Mid-Range
Status: Completed June 1988
DTIC No.: Not held by DTIC
Summary:

Define and describe the USMC mission requirements in the mid-range for indirect fire support, to determine present and programmed capabilities to perform that support and to identify deficiencies.

SCN: DM 611102
Title: **Mission Area Analysis of Mission Area 36 -
Electronic Warfare**
Category: Concepts and Plans
Classification: Secret NOFORN
Sponsor: HQMC (POG)
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed July 1988
DTIC No.: Not held by DTIC
Summary:

Analysis of the Electronic Warfare Mission Area to ensure MAGTF requirements are being properly satisfied and to provide a point of focus to promote an understanding of Electronic Warfare capabilities and limitations.

SCN: DM 611103
 Title: **MAA 232.3 Ship-to-Shore Movement**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: HQMC (PON)
 Performing Activity: BDM
 Time Frame: Long Range
 Status: Completed April 1988
 DTIC No.: C955706L
 Summary:

Define and describe the USMC mission requirements for the ship-to-shore movement of an amphibious assault (2000-2010).

SCN: DM 611104
 Title: **MAA 345: Tactical Communications**
 Category: Concepts and Plans
 Classification: Unclassified
 Sponsor: HQMC (CCT)
 Performing Activity: NWC/HQMC
 Time Frame: Mid-Range
 Status: Completed November 1987
 DTIC No.: Not held by DTIC
 Summary:

Define and describe the USMC mission requirements in the mid-range for tactical communications support.

3.3. Fiscal Year 1987

SCN: DM 711011
 CNA No.: CRM 87-54
 Title: **Alternative Modeling Approaches for Setting Cost-Effective Qualification Standards**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed May 1987
 DTIC No.: AD-A187670
 Summary:

The Rand Corporation's modeling technique which determines cost-effective enlistment standards for Military Occupational Specialties is examined.

SCN: DM 711012
CNA No.: CRC 562
Title: **Development of 10th Grade Norms for the ASVAB**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1987
DTIC No.: Not held by DTIC
Summary:

The development of 10th grade norms for the ASVAB test is the purpose of this study.

SCN: DM 711013
CNA No.: CRM 87-91
Title: **Extension and Subsequent Reenlistment in the United States Marine Corps**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Term
Status: Completed June 1987
DTIC No.: AD-B118538
Summary:

The subsequent reenlistment decisions of Marines who extend their active term of service rather than reenlist or leave is examined.

SCN: DM 711014
CNA No.: CRM 87-148
Title: **Selection Criteria for Professional Military Education**
Category: Manpower and Personnel
Classification: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: AD-A187693
Summary:

The factors which affect the selection of personnel to resident courses of Professional Military Education are examined.

SCN: DM 711015
CNA No.: CRM 87-161
Title: **Properties of Some Bayesian Scoring
Procedures for Computerized Adaptive Tests**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1986
DTIC No.: AD-A189925
Summary:

The computerized adaptive version of the Armed Services Vocational Aptitude Battery is examined utilizing a Bayesian procedure for computing test scores.

SCN: DM 711016
CNA No.: CRM 87-163
Title: **Attrition from Selected Marine Corps
Reserve: Enlisted Prior-Service and Non-
Prior-Service Reservists**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: AD-B118778
Summary:

Detailed information on the timing and characteristics of the losses of enlisted personnel from the Selected Marine Corps Reserve is examined.

SCN: DM 711017
CNA No.: CRM 87-164
Title: **The Effect of Personal Characteristics on
Attrition from the Selected Marine Corps
Reserve**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: AD-B121519
Summary:

An attrition model for the Selected Marine Corps Reserve which allows for the simultaneous impact of several personal characteristics on attrition behavior is examined.

SCN: DM 711018
CNA No.: CRM 87-151
Title: **Dimensionality of the Math Knowledge Item Pool for the Accelerated CAT-ASVAB Project**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: AD-A194109
Summary:

The theory underlying computerized adaptive tests is examined for the math knowledge items in the item pool developed for the Armed Services Vocational Aptitude Battery.

SCN: DM 711019
CNA No.: CNR 138
Title: **The Relation Effects of Selective Reenlistment Bonuses in the United States Marine Corps**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: AD-B121085
Summary:

This report analyzes the Selective Reenlistment Bonuses Program in the United States Marine Corps.

SCN: DM 711021
Title: **Long Range Study**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCDEC
Performing Activity: BDM
Time Frame: Long Range
Status: Completed February 1988
DTIC No.: Not held by DTIC
Summary:

Assessment of the threat, world geopolitical environment and exploitable technologies forecast for the 2008-2018.

SCN: DM 711022
CNA No.: CRM 87-81
Title: **GLOBAL WAR GAME 87 Tracking Items**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1987
DTIC No.: Not held by DTIC
Summary:

Discusses the 13 tracking items chosen for closer scrutinization during GLOBAL WAR GAME 87.

SCN: DM 711023
CNA No.: CNR 133
Title: **A Comparative Study of MIFASS and AFATDS**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (C4I2)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1987
DTIC No.: Not held by DTIC
Summary:

The cost and risk of continuing the Marine Integrated Fire and Air Support System (MIFASS) program is investigated and compared to the Army's Advanced Field Artillery Tactical Data System.

SCN: DM 711024
CNA No.: CRM 87-105
Title: **Readiness and Capability Assessment**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1987
DTIC No.: Not held by DTIC
Summary:

Alternative approaches for measuring improvements in military capability resulting from changes in force structure, modernization, readiness, and sustainability are explored.

SCN: DM 711025
CNA No.: CRM 87-116
Title: **Appropriate Mix of Live Fire and Simulated Fire During Training**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: None
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1987
DTIC No.: AD-B115546
Summary:

The general benefits of training aids, simulators, and live-fire in developing weapon-system operator proficiency are considered in addition to the appropriate mix of live-fire and simulated-fire training.

SCN: DM 711026
CNA No.: CRM 87-184
Title: **Commonality of Aviation Support Equipment Between USMC and USN Activities for Emergency Support of Diverted Aircraft**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1987
DTIC No.: Not held by DTIC
Summary:

This study examines the extent of commonality of aviation support equipment between various activities that could provide support for diverted aircraft.

SCN: DM 711027
CNA No.: CRM 87-132
Title: **C3 Systems Interdependency Study**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (C4I2)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1987

DTIC No.: Not held by DTIC
Summary:

The functional and programmatic interdependencies among Marine Corps command, control, and communication systems now in the acquisition process are examined. The implications of combat losses on the system are identified.

SCN: DM 711028
CNA No.: CRM 87-230
Title: **HIGH PORT 87 Issues During GLOBAL WAR GAME 87**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1987
DTIC No.: Not held by DTIC
Summary:

This research memorandum discusses the events of the GLOBAL WAR GAME with respect to each of the HIGH PORT issues.

SCN: DM 711031
Title: **Selected Marine Corps Reserve**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: MCOAG/CNA
Time Frame: Mid-Range
Status: Completed January 1988
DTIC No.: Not held by DTIC
Summary:

Determine optimum means of reducing the number of reservists who remain unassigned after augmentation/reinforcement at mobilization.

SCN: DM 711032
CNA No.: CRM 87-112
Title: **Time-Motion Model Runs and Sensitivity Analysis - Volume I: Main Text and Appendixes A-B**
Category: Operations and Force Structure
Classification: Secret
Sponsor: FMFLANT
Performing Activity: CNA
Time Frame: Short Range

Status: Completed July 1987
DTIC No.: Not held by DTIC
Summary:

Provides Time-Motion Model runs with current data for the withdrawal of Prepositioned Marine Amphibious Brigade equipment in central Norway.

SCN: DM 711033
CNA No.: CRM 87-113
Title: **Time-Motion Model Runs and Sensitivity Analysis - Volume II: Appendixes C-D**
Category: Operations and Force Structure
Classification: Secret
Sponsor: CNA
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1987
DTIC No.: Not held by DTIC
Summary:

Provides Time-Motion Model runs with current data for the withdrawal of Prepositioned Marine Amphibious Brigade equipment in central Norway.

SCN: DM 711034
CNA No.: CRM 87-128
Title: **Maritime Prepositioning Force Operations During Exercise TEAM SPIRIT 87**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: None
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: Not held by DTIC
Summary:

Results and analysis of Maritime Prepositioning Force operations during exercise Team Spirit 87 are presented. Movement of rolling stock, organizational structure used to accomplish the offload, and monitoring of the offload are examined in detail.

SCN: DM 711035
CNA No.: CRM 87-129
Title: **Offload of the SS OREGON During Exercise SOLID SHIELD 87**
Category: Operations and Force Structure

Classification: Unclassified
Sponsor: None
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: AD-B118540
Summary:

WATERMAN Class ship used for the first time during an in-stream offload. Unexpected problems prevented all the objectives of the exercise from being reached.

SCN: DM 711036
CNA No.: CRM 87-153
Title: **Sourcing of Two MABS from a MAF**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: Not held by DTIC
Summary:

This study determines that although there are inherent shortfalls in the ability to source two MABs, the MAF can probably support two viable MABs by tailoring their table of equipment to be consistent with MAF assets.

SCN: DM 711041
Title: **USMC FMF Land and Training Area Requirements (LATAR)**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (LFL)
Performing Activity: BDM
Time Frame: Long Range
Status: Completed January 1989
DTIC No.: B131082
Summary:

Develop the LATAR data base for use as a management tool and identify the deficiencies between available training areas and requirements.

SCN: DM 711042
CNA No.: CRM 87-61
Title: **Reassembly of CH-46E Helicopters During Exercise COLD WINTER 87**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: FMFLANT
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1987
DTIC No.: AD-B117392
Summary:

This study describes and analyzes the C-5 offloading and helicopter buildup operations and predicts the time required to offload and build up a full, 12-helicopter squadron.

SCN: DM 711043
CNA No.: CRM 87-119
Title: **Estimated Requirements for U.S. Marine Corps Training Area**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1987
DTIC No.: AD-B115784
Summary:

Area requirements for multimission, multiday training exercises for a Marine Amphibious Brigade (MAB) and a Marine Amphibious Force (MAF) are investigated.

SCN: DM 711051
CNA No.: CRM 87-122
Title: **Antiarmor Effectiveness of LAV Assault Gun Candidates**
Category: Sciences, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1987
DTIC No.: Not held by DTIC
Summary:

The effectiveness of four candidates for the Light Armored Vehicle Assault Gun (LAV-AG) weapon in an antiarmor role are compared.

SCN: DM 711053
Title: **Communications Security Equipment Management**
Category: Sciences, Technology, Systems and Equipment
Classification: Unclassified
Sponsor: HQMC (CCT)
Performing Activity: Electrospace Systems
Time Frame: Short Range
Status: Completed February 1988
DTIC No.: Not held by DTIC
Summary:

To determine the feasibility of introducing communications security equipment into the Marine Corps supply system.

SCN: DM 711054
CNA No.: CRM 87-152
Title: **A Comparison of the Mobility and Stability of Tracked and Wheeled Vehicles**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1987
DTIC No.: AD-B118539
Summary:

The limits of vehicle mobility are analyzed for current and generic vehicles with weights ranging from light to heavy (5 to 50 tons).

SCN: DM 711055
CNA No.: CRM 87-170
Title: **Tracks Versus Wheels: The Cost Issue**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1987

DTIC No.: AD-B118779
Summary:

This analysis develops, from historical cost data, procurement and Operating and Support (O&S) Cost Estimating Relationships (CERs) for tracked and wheeled tactical vehicles.

SCN: DM 711056
CNA No.: CRM 87-178
Title: **An Analysis of Alternative Rifle Grenades**
Category: Sciences, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1987
DTIC No.: AD-C042442
Summary:

The performance characteristics, measures of effectiveness, and life-cycle costs of bullet-trap rifle grenades are compared with existing rifle and hand grenades.

SCN: DM 711057
CNA No.: CRM 87-179
Title: **The Design and Interpretation of Tests on Instrumented Ranges: Lessons From LAV FOT&E Phase III**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (RD&S)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1987
DTIC No.: AD-B118781
Summary:

Subjective tactical and doctrinal issues evaluated on an instrumented test range are examined.

SCN: DM 711058
CNA No.: CRM 87-245
Title: **Lessons Learned from the MIFASS Development**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified

Sponsor: HQMC (RD&S)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1987
DTIC No.: Not held by DTIC
Summary:

Problems with the MIFASS program are described and recommended changes are presented.

SCN: DM 711061
CNA No.: CRM 87-157
Title: **Analysis of Procedures for Management of Reserve Equipment at Marine Corps Base, Camp Lejeune During Mobilization**
Category: Management
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed August 1987
DTIC No.: AD-B11873
Summary:

The policy and procedures for the management of Marine Reserve equipment during mobilization is examined based on observations of Exercise Solar Flare 87.

SCN: DM 711091
Title: **Combined Arms Training**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: HQMC (TDA)
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed January 1989
DTIC No.: Not held by DTIC
Summary:

Identify, develop, and compare alternatives for a number of engagement system options and acquisition plans the Marine Corps can implement in the mid-range period. Determine the training that can be accomplished, additional instrumentation required, existing assets to be utilized, and costs required to integrate the application of existing technology to meet Marine Corps requirements.

SCN: DM 711092
Title: **Feasibility Analysis for the Production of
a "Battlefield Concepts" Training
Publication**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCDEC
Performing Activity: BDM
Time Frame: Short Range
Status: Completed October 1988
DTIC No.: Not held by DTIC
Summary:

To determine the feasibility of a periodic training publication about how Soviet and other potentially hostile forces train to fight in order to improve the proficiency of USMC personnel in analyzing combat situations.

SCN: DM 711093
CNA No.: CRM 87-160
Title: **The Effect of Professional Military
Education on Individual Performance**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1987
DTIC No.: AD-B118777
Summary:

This study examines whether or not Professional Military Education achieves its primary goal of improving the performance of noncommissioned officers.

SCN: 711105
Title: **MAA 214: Ground Based Anti-Air and
Tactical Missile Defense**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (APC)
Performing Activity: AASG
Time Frame: Mid-Range
Status: Completed June 1988
DTIC No.: Not held by DTIC
Summary:

To determine Marine Corps requirements, capabilities to provide anti-air and tactical defense, and to identify deficiencies with recommended alternatives.

SCN: DM 711111
CNA No.: CRM 87-173
Title: **A Statutory History of the U.S. Marine Corps Reserve**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1987
DTIC No.: Not held by DTIC
Summary:

Compilation of major legislation pertaining to the USMCR and gives an overview of its statutory evolution.

SCN: DM 711112
CNA No.: CNR 139
Title: **A Study of Marine Corps Family Programs**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1987
DTIC No.: AD-B119103
Summary:

The success of Family Service Centers in meeting the objectives of serving commanders and Marines and their families is examined.

SCN: DM 711113
CNA No.: CRC 571
Title: **A Stable Curvilinear Alternative to Linear Equating**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1987
Summary:

A new method of test equating is proposed in this study. The method combines the stability of linear equating and small bias of equipercentile equating.

SCN: DM 711114
CNA No.: CRC 572
Title: **Modeling Spikes in Hazard Rates**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1987
DTIC No.: AD-B119430
Summary:

A methodology for estimating parametric survival models given non-smooth survival data is presented.

SCN: DM 711115
CNA No.: CRM 88-5
Title: **PCS Move Model Evaluation**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1987
DTIC No.: Not held by DTIC
Summary:

The research memorandum evaluates the PCS move model currently used to forecast PCS move requirements.

SCN: DM 711116
CNA No.: CRM 87-124
Title: **Improvement Systems for the AAVP7A1 and Their Operations Ramifications**
Category: Sciences, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (RD&S)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed December 1987
DTIC No.: Not held by DTIC
Summary:

This study reevaluates the size and weight of each of the candidate improvements to the AAVP7A1 and describes their operating characteristics.

SCN: DM 711117
CNA No.: CRC 570
Title: **Developing a Competency Scale for Hands-on Measures of Job Proficiency**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1987
DTIC No.: Not held by DTIC
Summary:

Research effort to produce measures of job proficiency that will allow for such an absolute interpretation of test scores.

SCN: DM 711118
CNA No.: CNR 142
Title: **Attrition in the Selected Marine Corps Reserve**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1987
DTIC No.: AD-B125977
Summary:

The Selected Marine Corps Reserve attrition rate is calculated over a six-year period for several groups of enlisted personnel and by individual units.

3.4. Fiscal Year 1988

SCN: 880101
CNA No.: CNR 144
Title: **Professional Military Education**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short-Range
Status: Completed January 1988
DTIC No.: AD-B126429
Summary:

The cost effectiveness of PME for noncommissioned officers is examined.

SCN: DM 880102
CNA No.: CRC 581
Title: **Estimating Reliabilities of CAT-ASVAB Subtests**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1988
DTIC No.: AD-B118844
Summary:

This study presents two methods for estimating subtest reliabilities of the CAT version of the ASVAB.

SCN: DM 880103
CNA No.: CRC 578
Title: **Is There Such A Thing As Overall Satisfaction With Military Life? A Factor Analysis of Marine Corps Data**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1988
DTIC No.: AD-B126246
Summary:

Analysis used a correlation matrix of satisfaction measures for Marine respondents to the 1985 DOD Member Survey and performed a standard factor analysis on the matrix.

SCN: DM 880104
CNA No.: CRM 88-26
Title: **Equity in Disciplinary Rates**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1988
DTIC No.: AD-B123668
Summary:

The analysis focuses on attempting to answer the question: Is the Uniform Code of Military Justice applied in an equitable manner in the USMC?

SCN: DM 880105
CNA No.: CRM 88-37
Title: **Interim Results for the Marine Corps Job Performance Measurement Project**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1988
DTIC No.: AD-B122095
Summary:

Study required by Congress to validate the selection test used by the services against measures of job performance.

SCN: DM 880106
CNA No.: CRM 88-45
Title: **Defining the Population Making Reenlistment Decisions**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1988
DTIC No.: AD-B130076
Summary:

This study investigates the definition of reenlistment rate and how different definitions tend to generate errors in manpower projections.

SCN: DM 880107
CNA No.: CRM 88-118
Title: **Personnel Awaiting Training in the Marine Corps**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1988
DTIC No.: AD-B130374
Summary:

The management of the Marine entry-level training pipeline is examined.

SCN: DM 880108
CNA No.: CRM 88-89
Title: **The Development of the Air Controller Aptitude Battery**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1988
DTIC No.: AD-B130373
Summary:

A computerized psychomotor ability test, designed as an initial screen for air controllers, is described.

SCN: DM 880109
CNA No.: CRM 88-111
Title: **Selected Marine Corps Reserve Structure Study: Final Report**
Category: Operations and Force Structure
Classification: Secret
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1988
DTIC No.: Not held by DTIC
Summary:

This research memorandum examines the demands placed on the SMCR and the appropriateness of the current structure to support these demands.

SCN: DM 880110
CNA No.: CRM 88-143
Title: **Marine Corps Officer Augmentation Study**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Long Range
Status: Completed September 1988
DTIC No.: AD-B130086
Summary:

Overview of the augmentation process, background on the evolution of the process, problems currently perceived in augmentation are presented as well as long term solutions.

SCN: DM 880111
CNA No.: CRM 88-171
Title: **Two Consequences of Improving a Test Battery**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1988
DTIC No.: AD-B130485
Summary:

Replacement of a paper-pencil test battery with a computerized adaptive version is explored.

SCN: DM 880112
CNA No.: CNR 150
Title: **Forecasting Enlistment Bonus Payments**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1988
DTIC No.: AD-B131613
Summary:

Attrition and training patterns of recruits eligible for an enlistment bonus are examined.

SCN: DM 880113
CNA No.: CRM 88-123
Title: **A Comparison of Linear and Equipercentile Test Equating Procedures in Large Samples**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1988
DTIC No.: AD-A205878
Summary:

Equipercentile vs linear equating procedures are compared for usefulness in evaluating the ASVAB.

SCN: DM 880114
CNA No.: CRM 88-124
Title: **Comparison of Three Procedures for Operational Calibration of the ASVAB**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1988
DTIC No.: AD-A205877
Summary:

Three equating procedures for the ASVAB are compared in terms of how well their results are cross-validated in large applicant samples.

SCN: DM 880115
CNA No.: CRM 88-236
Title: **A Maximum Likelihood Procedure for Developing a Common Metric in Item-Response Theory**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1988
DTIC No.: AD-A207607
Summary:

A maximum-likelihood procedure in item response theory is illustrated.

SCN: DM 880301
CNA No.: CRM 88-31
Title: **Analysis Objectives and Data-Collection Plans for WTI 2-88 Exercise Report**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1988
DTIC No.: AD-B121405
Summary:

Presents the analysis objectives, measures of effectiveness, and data-collection plans for the WTI 2-88 exercises.

SCN: DM 880302
 CNA No.: CRM 88-57
 Title: **Carolina COMBAT ACE 1-88 Exercise**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: 2nd MAW
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1988
 DTIC No.: AD-C043119
 Summary:

Objectives and purpose of CCA 1-88 presented along with the mission plans, exercise reconstruction, and lessons learned.

SCN: DM 880303
 CNA No.: CRM 88-9
 Title: **Final Report of HIGH PORT 87**
 Category: Operations and Force Structure
 Classification: Secret
 Sponsor: HQMC (PP&O)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1988
 DTIC No.: Not held by DTIC
 Summary:

Provides a detailed summary of all analyses associated with HIGH PORT 87.

SCN: DM 880304
 CNA No.: CRM 88-160
 Title: **Observations During GALLANT EAGLE 88**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: 1st MARDIV
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed November 1988
 DTIC No.: AD-B130377
 Summary:

1st Marine Division's participation in exercise GALLANT EAGLE is described.

SCN: DM 880401
Title: **Joint Navy/Marine Corps Study Concept for Deployment of the Assault Follow-on Echelon**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (PON)
Performing Activity: USN/USMC Study Team
Time Frame: Mid-Range
Status: Completed June 1988
DTIC No.: Not held by DTIC
Summary:

Investigate the concept for the deployment of the Assault Follow-on Echelon (AFOE).

SCN: DM 880402
Title: **Blood Management in the Fleet Marine Force**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Short Range
Status: Completed December 1988
DTIC No.: Not held by DTIC
Summary:

To develop, based on an analysis of USMC scenarios, a worst case estimate of the Marine Corps requirement for blood and blood-related products and to develop a concept for blood management in the FMF.

SCN: DM 880403
CNA No.: CRM 87-223
Title: **Fifth-Echelon Maintenance Policy and the Sustainability of Marine Amphibious Forces**
Category: Installations and Logistics
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Status: Completed January 1988
DTIC No.: Not held by DTIC
Summary:

Examines the potential benefits of placing maintenance depots in theater rather than in CONUS to support the repair of damaged ground equipment.

SCN: DM 880404
 CNA No.: CRM 88-41
 Title: **Marine Air-Ground Task Force Engineering Support for Airbase Survivability During Amphibious Operations**
 Category: Installations and Logistics
 Classification: Confidential
 Sponsor: HQMC (PP&O)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed June 1988
 DTIC No.: Not held by DTIC
 Summary:

Engineering requirements and capabilities to support airbase survivability for a Marine Air-Ground Task Force during amphibious operations are examined.

SCN: DM 880405
 CNA No.: CRM 88-128
 Title: **Interim Report on the Stock Rotation Study**
 Category: Installations and Logistics
 Classification: Unclassified
 Sponsor: HQMC (I&L)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1988
 DTIC No.: AD-B130486
 Summary:

Analyze methods and costs for rotating Class VII equipment among units.

SCN: DM 880501
 CNA No.: CRM 87-231
 Title: **Using MCCRES to Diagnose Training Deficiencies in the Marine Air Command and Control System**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: HQMC (TRNG)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed February 1988
 DTIC No.: AD-B122097
 Summary:

This research memorandum attempts to identify patterns in MCCRES data that may indicate training deficiencies for agencies of the Marine Air Command and Control System.

SCN: DM 880502
 CNA No.: CRM 88-16
 Title: **A Review of USMC Occupational Field 72 Training System Development - Volume I: Main Text and Appendixes A and B**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (TRNG)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed February 1988
 DTIC No.: AD-B122099
 Summary:

This memorandum reviews progress in the development of an individual training system for the Marine Corps occupational field 72.

SCN: DM 880503
 CNA No.: CRM 88-17
 Title: **A Review of USMC Occupational Field 72 Training System Development - Volume II: Appendix C**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (TRNG)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed February 1988
 DTIC No.: AD-B124128
 Summary:

This appendix presents separate, detailed comparisons of T&R Manual training objectives and JTS System Report tasks with MCCRES requirements.

SCN: DM 880601
 Title: **Mission Area 24: Fire Support (1992-1996)**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: BDM
 Time Frame: Mid-Range
 Status: Completed February 1989
 DTIC No.: B145727L
 Summary:

To determine the capability of the Marine Corps to perform fire support in the mid-range.

SCN: DM 880602
CNA No.: CRM 87-251
Title: **Tracks Versus Wheels: A Comparison of the Performance and Cost of Tracked and Wheeled Vehicles**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1988
DTIC No.: Not held by DTIC
Summary:

Final results of the Tracks Versus Wheels study.

SCN: DM 880603
CNA No.: CRM 88-224
Title: **Catapult Launched Fuel-Air Explosive (CATFAE) System Cost and Operational Effectiveness Analysis**
Category: Sciences, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed December 1988
DTIC No.: Not held by DTIC
Summary:

CATFAE land mine countermeasure system has completed advanced development. This research memorandum presents a cost and operational effectiveness analysis to help the decision process.

SCN: DM 880701
CNA No.: CRM 87-236
Title: **Some Aspects of Implementing an Austere, Off-the-Shelf Attack Helicopter Augmentation Plan**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (RD&S)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed January 1988
DTIC No.: Not held by DTIC
Summary:

Issues concerning the augmentation of the current Marine Corps attack helicopter force with an austere, off-the-shelf attack helicopter are discussed in this research memorandum.

SCN: DM 880702
CNA No.: CRM 87-237
Title: **Alternative Marine Corps Light Attack Helicopter Forces**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (RD&S)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed January 1988
DTIC No.: Not held by DTIC
Summary:

This study examines the feasibility of using austere, in-production helicopters as a means of increasing the number of Marine Corps attack helicopters.

SCN: DM 880703
CNA No.: CRM 88-54
Title: **An Analysis of the ADSO for Marine Corps Aviators**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1988
DTIC No.: AD-B122098
Summary:

The Active Duty Service Obligation for Marine Corps aviators is examined utilizing a simulation model for the first 15 years of service.

SCN: DM 880704
 CNA No.: CRM 88-94
 Title: **Job Knowledge Tests for U.S. Marine Corps Tactical Air Controllers and STINGER Personnel**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (TRNG)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed June 1988
 DTIC No.: Not held by DTIC
 Summary:

Description of the development of two job knowledge tests for U.S. Marine Corps personnel: one for tactical air controllers and one for STINGER missile system personnel.

SCN: DM 880705
 CNA No.: CRM 88-102
 Title: **Use of Standoff Land-Attack Missile in SEAD Operations**
 Category: Sciences, Technology, Systems, and Equipment
 Classification: Confidential
 Sponsor: 2nd MAW
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed June 1988
 DTIC No.: Not held by DTIC
 Summary:

Explores the concept of using SIAM to complement HARM in SEAD operations.

SCN: DM 880706
 CNA No.: CRM 88-100
 Title: **MAWTS-1 WTI 2-88 Offensive Antiair Warfare Exercise**
 Category: Operations and Force Structure
 Classification: Secret
 Sponsor: MAWTS-1
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1988
 DTIC No.: Not held by DTIC
 Summary:

Review of exercise which involved locating threat targets and conducting coordinated strikes against threat aircraft, surface-to-air missiles, and targets at a threat airfield.

SCN: DM 880707
CNA No.: CRM 88-137
Title: **WTI 2-88 Close Support Exercises**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1988
DTIC No.: Not held by DTIC
Summary:

Result for Close Air Support exercises conducted during WTI 2-88 are presented.

SCN: DM 880708
CNA No.: CRM 88-130
Title: **CAROLINA COMBAT ACE 2-88 Exercise**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1988
DTIC No.: Not held by DTIC
Summary:

This research memorandum presents the objectives and purpose of CAROLINA COMBAT ACE 2-88, as well as the mission plans, exercise reconstruction, and lessons learned.

SCN: DM 880709
CNA No.: CRM 88-122
Title: **A Simulator for Ground Control Intercept Training**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1988
DTIC No.: AD-B130074
Summary:

This research memorandum describes a computer program that can be used to teach students the basics of ground control geometry.

SCN: DM 880710
CNA No.: CRM 88-178
Title: **Analysis Objectives and Data-Collection Plans for CAROLINA COMBAT ACE 1-89**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1988
DTIC No.: AD-B130376
Summary:

Analysis objectives, measures of effectiveness, and data-collection plans for exercise CAROLINA COMBAT ACE 1-89 are presented.

SCN: DM 880711
CNA No.: CRM 88-164
Title: **Analysis Objectives and Data-Collection Plans for WTI 1-89 Exercise Support**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1988
DTIC No.: AD-B130487
Summary:

This research memorandum presents the analysis objectives, measures of effectiveness, and data-collection plans for the WTI 1-89 exercises.

SCN: DM 880712
CNA No.: CRM 88-97
Title: **WTI 2-88 Air-Defense Exercise Reconstruction and Results**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1988
DTIC No.: Not held by DTIC

Summary:

This research memorandum presents the concepts of employment, exercise results, and lessons learned from the WTI 2-88 air defense exercises.

SCN: DM 880713
CNA No.: CRM 88-195
Title: **Guided and Unguided Weapons for Close Air Support**
Category: Concepts and Plans
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed November 1988
DTIC No.: Not held by DTIC
Summary:

Analyzes the tradeoffs between unguided weapons and Laser Guided Bombs in a Close Air Support environment.

SCN: 880714
CNA No.: CRM 88-211
Title: **Quicklook Analysis of WTI 1-89 Offensive Antiair Warfare Exercise**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed November 1988
DTIC No.: Not held by DTIC
Summary:

Summarization of exercise results, measures of effectiveness, and tactical lessons learned.

SCN: DM 880728
Title: **Command and Control of Aircraft, Missiles, and RPVs (MAA 35)**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Short Range
Status: Completed March 1989
DTIC No.: Not held by DTIC
Summary:

Provide a structured examination of the capability of the Marine Corps to perform its control of aircraft, missiles, and remotely piloted vehicles mission and identify deficiencies in operational capabilities.

SCN: DM 880801
Title: **Marine Corps Wartime Casualty Rates (CASRATE)**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Long Range
Status: Completed July 1990
DTIC No.: Not held by DTIC
Summary:

Update current Marine Corps Casualty Rate Estimations utilizing MARCOR scenarios and determine the optimum Long Range MAGTF Health Service Support System.

SCN: DM 880901
CNA No.: CRM 88-59
Title: **Evaluation of Third Marine Division's C4I2 Concept During TEAM SPIRIT 88**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: 1st MEB and III MEF
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1988
DTIC No.: AD-B130372
Summary:

C4I2 concept implementation in the Third Marine Division is evaluated.

SCN: DM 880902
CNA No.: CRM 88-185
Title: **Analysis of Message Traffic During TEAM SPIRIT 88**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: 1st MEB and III MEF
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1988
DTIC No.: Not held by DTIC
Summary:

This research memorandum expands on an earlier study of C4I2 in the Third Marine Division and concentrates exclusively on message traffic.

SCN: DM 881001
CNA No.: CRM 88-64
Title: **LCAC Survivability**
Category: Sciences, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1988
DTIC No.: AD-C046075
Summary:

Study focuses on the LCAC's ability to survive an attack when landing and unloading on a defended beach.

SCN: DM 881002
CNA No.: CRM 88-147
Title: **The Advanced Assault Amphibious Vehicle in Operations Ashore**
Category: Sciences, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed November 1988
DTIC No.: Not held by DTIC
Summary:

This study examines the various replacement options for the AAV7A1 and describes the operational advantages and disadvantages of each in operations ashore.

SCN: DM 881003
CNA No.: CRM 88-166
Title: **Life-Cycle Costs of Advanced Assault Amphibious Vehicle Candidates**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed November 1988

DTIC No.: Not held by DTIC
Summary:

Cost estimates for AAV7A1 replacement candidates are examined.

SCN: DM 881004
CNA No.: CRM 88-132
Title: **Comparison of AAV Options and AAV Delivery Craft**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed December 1988
DTIC No.: Not held by DTIC
Summary:

This research memorandum describes and compares the characteristics and capabilities of AAV options. In addition, the characteristics of the landing craft air cushion and alternative craft to deliver AAVs ashore are described.

SCN: DM 881301
Title: **Mission Area Analysis Support for Mission Area 320 Anti-Air Warfare**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed May 1988
DTIC No.: Not held by DTIC
Summary:

To determine the capability of the Marine Corps to perform its anti-air warfare mission in the mid-range.

SCN: DM 881501
Title: **Technology Based Decision Support System**
Category: Sciences, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed June 1989

DTIC No.: Not held by DTIC
Summary:

Joint Army-Marine Corps study to determine prioritization concepts for research and development projects.

3.5. Fiscal Year 1989

SCN DM 890101
Title: **Light Armored Infantry Battalion Force Structure**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Mid-Range
Status: Canceled November 1989
DTIC No.: Not held by DTIC
Summary:

Investigate various Light Armored Infantry Battalion force structure options.

SCN: DM 890102
CNA No.: CRC 582
Title: **Are Satisfaction and Dissatisfaction Really Opposites? Ordered Versus Unordered Models of Satisfaction with Military Life**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1989
DTIC No.: AD-A207607
Summary:

This paper discusses the degree to which satisfaction and dissatisfaction with military life represent directionally opposite aspects of the same basic phenomenon.

SCN: DM 890103
CNA No.: CRM 88-259
Title: **Analysis of Data Quality for the Infantry Phase of the Marine Corps Job Performance Measurement Project**
Category: Manpower and Personnel

Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1989
DTIC No.: AD-A210126
Summary:

Examination of the quality of data collected for the infantry portion of the Marine Corps Job Performance Measurement Project.

SCN: DM 890104
CNA No.: CRM 88-190
Title: **Physical Fitness of Marine Corps Recruits**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1989
DTIC No.: Not held by DTIC
Summary:

Reviews the Physical Fitness Test, estimates the effect of height and weight standards, and forecasts the impact of alternative accession standards on physical fitness.

SCN: DM 890105
CNA No.: CRM 89-16
Title: **Using Attrition Rates in Setting Height-Weight Standards**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: Not held by DTIC
Summary:

Evaluation of the relationship between height-weight standards and attrition of Marines within their first term of service.

SCN: DM 890106
CNA No.: CRM 89-114
Title: **Relative Average Recruiting Yields by AFQT Category**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: AD-A223063
Summary:

Calculates the ratio of recruits to population by AFQT category for the fiscal years 1980 to 1987.

SCN: DM 890107
CNA No.: CRM 89-9
Title: **Evaluating Minimum Aptitude Standards**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: AD-A223062
Summary:

An initial effort that focuses on identifying the minimum qualifying aptitude score for assigning recruits to occupational specialties.

SCN: DM 890108
CNA No.: CRM 89-45
Title: **Performance of Basic Infantry Tasks**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: AD-A223251
Summary:

Data from the Marine Corps Job Performance Measurement Project are used to describe the performance level of infantrymen.

SCN: DM 890109
 CNA No.: CRM 89-168
 Title: **Tradeoffs in Using Alternative Height-Weight Standards**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (TRNG)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed August 1989
 DTIC No.: AD-A223555
 Summary:

Examines the feasibility of realigning the weight standards of the Marine Corps to make them more equitable between genders without reducing quality standards.

SCN: DM 890110
 CNA No.: CRM 89-230
 Title: **Discharge Reasons for Enlisted Marines: FY 1979 through FY 1988 Separations**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed September 1989
 DTIC No.: Not held by DTIC
 Summary:

Identifies, by Separation Program Designator (SPD) codes, the reasons for which enlisted regular Marine Corps personnel were discharged between FY 1978 and FY 1988.

SCN: DM 890111
 CNA No.: CIM 58
 Title: **Marine Corps Attrition Interactive Data Base (MCAID)**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed September 1989
 DTIC No.: AD-B149541
 Summary:

Documents the Marine Corps Attrition Interactive Data Base that was developed for the Non-End of Active Service (NEAS) Attrition study.

SCN: DM 890201
Title: **Battlefield Intelligence**
Category: Intelligence
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed March 1990
DTIC No.: Not held by DTIC
Summary:

To analyze the importance of tactical deception, intelligence, and counter-intelligence contributions to countering enemy deception and supporting friendly deception. Evaluate enemy themes and friendly counterthemes using Panama as a case study. Develop a 35mm slide presentation in an unclassified format to help the individual Marine identify the likely warfighting threats to be encountered worldwide.

SCN: DM 890202
Title: **Intelligence Tactical Training Situation**
Category: Intelligence
Classification: Secret NOFORN
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Short Range
Status: Completed November 1989
DTIC No.: Not held by DTIC
Summary:

Intelligence Tactical Training Situation developed for the Caribbean.

SCN: DM 890301
Title: **Class III Consumption Factors**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Short Range
Status: Completed December 1989
DTIC No.: Not held by DTIC
Summary:

Develop analysis plan to determine lubricant requirements for vehicles operating under a variety of conditions.

SCN: DM 890302
 Title: **Combat Active Replacement Factors**
 Category: Installations and Logistics
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: CNA/MCCDC
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

Develop an approach to logistic planning factors.

SCN: DM 890303
 CNA No.: CRM 88-181
 Title: **Air-Defense Requirements for Marine Combat Operations Ashore**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed April 1989
 DTIC No.: Not held by DTIC
 Summary:

Reports the results of an examination of air defense and identifies requirements for HAWK, STINGER systems, fighter aircraft, and associated aviation activities.

SCN: DM 890304
 CNA No.: CRM 88-192
 Title: **Aerial Port of Debarkation Operations During FREEDOM BANNER 2-88**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: 1st MEB and III MEF
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1989
 DTIC No.: AD-B143279
 Summary:

As part of exercise FREEDOM BANNER, the 7th Marine Expeditionary Brigade moved through two aerial ports of debarkation. The differences between operations at NAS Whidbey Island and McCord AFB are examined and recommendations made for future exercises.

SCN: DM 890305
CNA No.: CRM 89-30
Title: **CAROLINA COMBAT ACE 1-89 Exercise**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1989
DTIC No.: Not held by DTIC
Summary:

Presentation of the objectives, mission plans, and reconstruction of exercise CAROLINA COMBAT ACE 1-89.

SCN: DM 890306
CNA No.: CRM 89-84
Title: **Analysis Objectives and Data-Collection Plans for Pre-D-Day SOLID SHIELD 89**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1989
DTIC No.: Not held by DTIC
Summary:

Presents analysis objectives, measures of effectiveness, and data-collection plans for the pre-D-day phase of exercise SOLID SHIELD 89.

SCN: DM 890307
CNA No.: CRM 89-71
Title: **Preliminary Time and Cost Analysis for the SEAF**
Category: Concepts and Plans
Classification: Confidential
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed June 1989
DTIC No.: AD-B145214
Summary:

Examination of the response time and cost of several Sealift Expeditionary Airfield options.

SCN: DM 890308
CNA No.: CRM 89-170
Title: **An Exploration of the Use of Fuzzy-Set
Techniques in Exercise Reconstruction**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B146770
Summary:

The use of fuzzy-sets and possibility theory for the analysis of nonrandom, imprecise events is explored for possible use in exercise reconstruction.

SCN: DM 890309
CNA No.: CRM 88-203
Title: **Exercise OCEAN VENTURE 88**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: 6th MEB
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: Not held by DTIC
Summary:

Description of OCEAN VENTURE 88 which involved the offload of two Maritime Prepositioning Ships from MPS Squadron one.

SCN: DM 890310
CNA No.: CRM 89-155
Title: **Ship-to-Shore Operations in TEAM SPIRIT 89**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: 1st MEB and COMPHIBRON 5
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: Not held by DTIC
Summary:

Presents a summary of observations and analyses of ship-to-shore operations conducted during TEAM SPIRIT 89. In addition, the efficiency of LCAC operations is examined.

SCN: DM 890401
Title: **Marine Corps Wartime Casualty Rates in the Long Range**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Long Range
Status: Completed July 1990
DTIC No.: Not held by DTIC
Summary:

Update the LRMDSSS Marine Corps casualty rates, relate them to the mid-range threat scenarios and develop a Marine Corps Medical Planning Module Combat Intensity Guide.

SCN: DM 890402
Title: **Marine Corps Enlisted Retention**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (MPP)
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Conduct a thorough analysis of Marine Corps alternatives for retaining high quality career personnel during the next decade.

SCN: DM 890403
CNA No.: CRM 89-34
Title: **Stock Rotation Study: Final Report**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (I&L)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed April 1989
DTIC No.: AD-B149597
Summary:

Examines additional rotation requirements evaluated in earlier studies and discusses development of a rotation program to best meet the goals of stock rotation.

SCN: DM 890404
CNA No.: CRM 89-70
Title: **Marine Corps Material Acquisition and Support**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: ACMC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: AD-B143209
Summary:

Reviews the way the Marine Corps is currently organized for material acquisition and support and identifies functional overlaps and inefficiencies.

SCN: DM 890601
Title: **Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter-mobility**
Category: Concepts and Plans
Classification: Confidential
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Short Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Assess the MAGTF's ground tactical mobility/counter-mobility capabilities.

SCN: DM 890602
Title: **Mission Area Analysis MA 44 - Engineer**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Short Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Assess the MAGTF's engineering support capability to carry-out its combat mission.

SCN: DM 890603
CNA No.: CRM 88-39
Title: **LAV-AG Cost and Operational Effectiveness Analysis**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1989
DTIC No.: Not held by DTIC
Summary:

Evaluates three alternative gun systems for the Light Armored Vehicle Assault Gun (LAV-AG): 75mm, 90mm, and 105mm.

SCN: DM 890701
CNA No.: CRM 88-131
Title: **Deep Air Support Requirements for Marine Corps Combat Operations Ashore**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1989
DTIC No.: Not held by DTIC
Summary:

Identifies the types and examines the number of deep air support missions required to support U.S. Marine Corps combat operations ashore.

SCN: DM 890702
CNA No.: CRM 88-225
Title: **Quicklook Analysis of WTI 1-89 Air Defense Exercise**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1989
DTIC No.: AD-C046626
Summary:

MAWTS-1 conducted the Weapons and Tactics Instruction Course 1-89 during October 1988. The Integrated Air Defense System was assessed against a variety of threat aircraft flying at different altitudes and speeds.

SCN: DM 890703
CNA No.: CRM 88-174
Title: **Close Air Support and Close-In Fire Support During Combined-Arms Exercises**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1989
DTIC No.: Not held by DTIC
Summary:

The effectiveness of Close Air Support and Close In Fire Support were evaluated during six Combined-Arms Exercises.

SCN: DM 890704
CNA No.: CRM 89-25
Title: **Analysis Objectives and Data-Collection Plans for WTI 2-89 Exercise Support**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1989
DTIC No.: Not held by DTIC
Summary:

Presents the analysis objectives, measures of effectiveness, and data collection plans for the WTI 2-89 exercises. Areas analyzed included air defense, offensive antiair warfare, close air support, and aerial reconnaissance.

SCN: DM 890705
CNA No.: CRM 88-152
Title: **Air Transport Needs for Support of Marine Combat Operations**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed March 1989
DTIC No.: AD-B143258
Summary:

Reports preliminary results for the Marine Aviation Requirements Study, which is identifying MAGTF Air Combat requirements for a mid-intensity conflict in 1995.

SCN: DM 890706
CNA No.: CRM 88-84
Title: **Close Air and Close-in Fire Support Requirements for MAGTF Combat Operations Ashore**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1989
DTIC No.: Not held by DTIC
Summary:

Analyzes aviation requirements for Close Air and Close-In Fire Support. Results are expressed in terms of numbers of sorties and aircraft required to engage particular target groups.

SCN: DM 890707
CNA No.: CRM 88-96
Title: **WTI Air-Defense Exercises: Retrospective Analysis**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: Not held by DTIC
Summary:

Retrospective study of the exercises conducted in five courses between 1985 and 1987.

SCN: DM 890708
CNA No.: CRM 89-4
Title: **Marine Aviation Requirements Study: Final Report**
Category: Operations and Force Structure
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed May 1989
DTIC No.: Not held by DTIC
Summary:

Considers aviation support requirements for the Marine Corps during a mid-intensity conflict ashore in the mid 1990's against Soviet-style forces.

SCN: DM 890709
 CNA No.: CRM 89-10
 Title: **WTI 1-89 Air Defense Exercise Reconstruction and Results**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: MAWTS-1
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed June 1989
 DTIC No.: Not held by DTIC
 Summary:

Presents the concept of employment, analysis objectives, data collection requirements, exercise results, and lessons learned from the WTI 1-89 air-defense exercises.

SCN: DM 890710
 CNA No.: CRM 89-181
 Title: **Analysis of WTI 2-89 Close Air Support**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: MAWTS-1
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1989
 DTIC No.: Not held by DTIC
 Summary:

Presents results of the close air support portion of the first three offensive air support exercises conducted during WTI 2-89.

SCN: DM 890711
 CNA No.: CRM 89-250
 Title: **Assessment of Fighter Air Defense During CAROLINA COMBAT ACE 1-89**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: 2nd MAW
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed September 1989
 DTIC No.: Not held by DTIC
 Summary:

Fighter air defense was assessed for effective use of resources to man Combat Air Patrol (CAP) stations, the effectiveness of CAP aircraft to detect and intercept raids, and the capability of the Marine Corps integrated air-defense system to effectively use strip alert aircraft.

SCN: DM 890712
CNA No.: CRM 89-157
Title: **WTI 2-89 Offensive Antiair Warfare**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1989
DTIC No.: Not held by DTIC
Summary:

Examines reconnaissance and the use of the High-Speed Antiradiation Missile (HARM) for Offensive Antiair Warfare during WTI 2-89.

SCN: DM 890713
CNA No.: CRM 89-294
Title: **Level and Mix of Ground-to-Air Weapon Systems for the Marine Air-Ground Task Force**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (AVN)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed October 1989
DTIC No.: Not held by DTIC
Summary:

Examines the appropriate level and mix of ground-to-air weapon systems for the MAGTF.

SCN: DM 890901
Title: **Marine Corps Communication Control 1994-2004**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MCCDC
Performing Activity: SWL
Time Frame: Mid-Range
Status: Completed May 1990
DTIC No.: Not held by DTIC
Summary:

Assess the technology and management of communications assets in the mid-range to effectively control and protect Marine Corps communications.

SCN: DM 890902
 Title: **MAGTF Communications/Computer Architecture Study (Phase I)**
 Category: Science, Technology, Systems and Equipment
 Classification: Confidential
 Sponsor: MCCDC
 Performing Activity: SWL
 Time Frame: Mid-Range
 Status: Completed March 1990
 DTIC No.: Not held by DTIC
 Summary:

Detail the information flow and communications/computer infrastructure required by MAGTF on the battlefield, and to design a comprehensive communications/computer architecture for such an infrastructure.

SCN: DM 891001
 Title: **Sealift Expeditionary Airfield (SEAF) Study**
 Category: Concepts and Plans
 Classification: Confidential
 Sponsor: MCCDC
 Performing Activity: ASEC
 Time Frame: Short Range
 Status: Completed May 1989
 DTIC No.: Not held by DTIC
 Summary:

To determine the feasibility of operating AV-8 aircraft from commercial-type ships.

SCN: DM 891002
 CNA No.: CRM 88-120
 Title: **The Advanced Amphibious Assault Vehicle in the Ship-to-Shore Movement**
 Category: Science, Technology, Systems, and Equipment
 Classification: Confidential
 Sponsor: MCCDC
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed March 1989
 DTIC No.: Not held by DTIC
 Summary:

Examination of several of the options to replace the AAV7A1.

SCN: DM 891201
CNA No.: CRM 88-214
Title: **Assessing Armor and Armament Requirements for AAVs**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed April 1989
DTIC No.: Not held by DTIC
Summary:

Examines the effect of armor and armament on the standoff distance for the AAV in engagements with lightly armored vehicles, and the ship-to-shore movement of AAVs.

SCN: DM 891202
CNA No.: CRM 88-248
Title: **The Advanced Amphibious Assault Vehicle Operational Effectiveness and Cost Analysis: Executive Summary**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed April 1989
DTIC No.: Not held by DTIC
Summary:

Provides the final report of the operational effectiveness and costs of options for the AAV.

SCN: DM 891203
CNA No.: CRM 89-113
Title: **Analysis of FIREFLEX Appraisals**
Category: Science, Technology, System, and Equipment
Classification: Unclassified
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: Not held by DTIC
Summary:

Analysis of two automated fire support systems.

SCN: DM 891204
CNA No.: CRM 88-241
Title: **Analysis of Heavy Antiarmor Weapon Alternatives**
Category: Science, Technology, Systems, and Equipment
Classification: Secret/NOFORN/WNINTEL
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed June 1989
DTIC No.: Not held by DTIC
Summary:

Assessment of cost and effectiveness of concepts that could replace the TOW-2 missile system.

SCN: DM 891205
CNA No.: CRM 89-167
Title: **A Comparison of End User Computing Equipment and Army Common Hardware and Software**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B149485
Summary:

Compares the hardware in the Fleet Marine Force End User Computer Equipment (FMF-EUCE) and the Army Common Hardware and Software (CHS) with respect to processing abilities, growth potential, physical characteristics, reliability, and maintainability.

SCN: DM 891206
CNA No.: CRM 89-144
Title: **Review of Potential AEW Systems for the Marine Corps**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1989
DTIC No.: Not held by DTIC

Summary:

Documents preliminary research on the relative merits of three AEW alternatives: KC-130/APY-2, KC-130/APS-145, and CH-46/SKY MASTER.

SCN: DM 891207
CNA No.: CRM 89-243
Title: **A Comparison of Required Operational Capabilities for Three FIREFLEX Alternatives**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1989
DTIC No.: Not held by DTIC
Summary:

Compares the capabilities of three alternative fire support systems: the Modified-Fire Support Terminal Digital Message Device.

SCN: DM 891208
CNA No.: CRM 89-228
Title: **Lightweight Howitzer Independent Cost Estimate**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1989
DTIC No.: Not held by DTIC
Summary:

Presents an independent life-cycle cost estimate of a lightweight howitzer (LW155) proposed as a replacement for the current towed 155mm howitzer.

SCN: DM 891209
CNA No.: CRM 89-248.10
Title: **Multiple-Launch Rocket System Life-Cycle Cost Estimate**
Category: Science, Technology, Systems, and Equipment

Classification: Unclassified
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1989
DTIC No.: AD-B143211
Summary:

Estimates the life-cycle cost for the Marine Corps' acquisition and operation of the Multiple-Launch Rocket System.

SCN: DM 891210
CNA No.: CRM 89-219
Title: **The Effectiveness of Ground and Air ESS Configurations**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed November 1989
DTIC No.: Not held by DTIC
Summary:

Discusses the merits of various basing options for ELINT sensing systems: ground-based, air-based, or combination of air- and ground-based systems.

SCN: DM 891301
Title: **Mission Area Analysis MA 33 - Assault Support**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Short Range
Status: Completed August 1989
DTIC No.: Not held by DTIC
Summary:

Assess the Aviation Combat Element's ability to provide an assault support capability to the MAGTF.

SCN: DM 891401
Title: **MARCORS 1B STOVL Threat Laydown**
Category: Concepts and Plans
Classification: Secret NOFORN
Sponsor: MCCDC
Performing Activity: BDM

Time Frame: Mid-Range
Status: Completed January 1989
DTIC No.: Not held by DTIC
Summary:

Provide the aerospace industry with a common general warfare scenario to be used as a threat environment for conceptual designs of a supersonic short takeoff, vertical landing (STOVL) fighter/attack aircraft.

SCN: DM 891501
Title: **U.S. Army Low Intensity Conflict Simulation and Scenario Upgrade and Development Study**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: Not held by DTIC
Summary:

Revision and upgrade of LIC scenarios and simulations.

SCN: DM 891502
Title: **Advanced Technology Operational Assessment**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Short Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To provide a comprehensive assessment of Treaty Limited Equipment definitions of the Conventional Forces in Europe Treaty to determine possible impacts on current and future U.S. Forces and programs.

SCN: DM 891801
CNA No.: CRM 88-198
Title: **User Fees and Program Costs in Marine Corps Child Care Centers**
Category: Management
Classification: Unclassified
Sponsor: HQMC (M&RA)

Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1989
DTIC No.: AD-A223252
Summary:

Review of fees, enrollment loads, and program costs of Marine Corps child care centers.

SCN: DM 891802
CNA No.: CRM 88-204
Title: **Evaluation of the U.S. Marine Corps
Summary Version Life-Cycle Cost Model
(SVLCCM) Algorithms**
Category: Management
Classification: Unclassified
Sponsor: HQMC (FDF)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: Not held by DTIC
Summary:

Description of the algorithms and architecture of the Marine Corps Summary Version Life Cycle Cost Model (SVLCCM).

SCN: DM 891803
CNA No.: CRM 88-206
Title: **Evaluation and Modification of U.S. Marine
Corps Summary Version Life-Cycle Cost
Model**
Category: Management
Classification: Unclassified
Sponsor: HQMC FDF
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B143259
Summary:

Summarizes the evaluation and modification of the architecture and algorithms of the original Marine Corps Summary Version Life Cycle Cost Model (SVLCCM). Comparisons of the life-cycle cost estimates developed using the SVLCCM, as modified by CNA, and alternative cost-estimating approaches are presented.

SCN: DM 891804
CNA No.: CRM 88-226
Title: **System Specifications for the Summary
Version Life-Cycle Cost Model**
Category: Management
Classification: Unclassified
Sponsor: HQMC (FDF)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B143278
Summary:

This research memorandum presents the system specifications for the Summary Version Life-Cycle Cost Model.

SCN: DM 891805
CNA No.: CRM 89-79
Title: **Acquisition Management by the Armed Forces**
Category: Management
Classification: Unclassified
Sponsor: ACMC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1989
DTIC No.: Not held by DTIC
Summary:

Analyzes the responses of each of the armed forces to various characteristics of an effective acquisition organization.

SCN: DM 891806
CNA No.: CRM 89-315
Title: **U.S. Navy Crisis Response Activity, 1946-
1989: Preliminary Report**
Category: International Security Studies
Classification: Unclassified
Sponsor: OP-06 and HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed November 1989
DTIC No.: AD-A216442
Summary:

Summary of the 187 U.S. Navy responses to international incidents and crises between 1946 and 1989.

3.6. Fiscal Year 1990

SCN: DM 900101
Title: **Marine Corps Capabilities**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: BDM
Time Frame: Mid-Range
Status: Terminated February 1991
DTIC No.: N/A
Summary:

Analyze and develop capabilities matrices that accurately depict aggregate utility of Marine Forces as an element of today's naval forces and those in the 1995-1999 time frame.

SCN: DM 900103
Title: **FMF Force Module Enhancement**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: FMFPAC
Performing Activity: CNA
Time Frame: Short Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Development of a methodology to facilitate determination of optimum FMF Force Module configuration.

SCN: DM 900104
Title: **Marine Corps Recruiting Study**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Develop an efficient and flexible recruiting structure and identify management actions and policies that will raise productivity at the recruiting station level.

SCN: DM 900105
CNA No.: CRM 89-103
Title: **Some Issues in the ECAT and CAT-ASVAB Projects**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1990
DTIC No.: AD-B145638
Summary: Critique of a computerized adaptive-testing version of the ASVAB. Describes ways in which the tests need to be expanded.

SCN: DM 900106
CNA No.: CRM 89-215
Title: **The Role of Aptitude Factors in Predicting Hands-on Job Performance**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: AD-B145213
Summary:

The study disputes the assumption that all the predictive power of the ASVAB arises from its measurement of general cognitive ability. It demonstrates when the criterion is hands-on performance, aptitude factors make statistically and practically significant additions to the variance explained by general cognitive ability.

SCN: DM 900107
CNA No.: CRM 89-234
Title: **Concurrent Versus Enlistment ASVAB in Evaluation of New Tests**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: AD-A222893
Summary: New kinds of tests are evaluated as potential additions to the ASVAB.

SCN: DM 900108
CNA No.: CRM 89-255
Title: **Predicting 21-Month Completion in the Marine Corps Using the Adaptability Screening Profile**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: AD-B145637
Summary:

Analysis of an adaptability profile which has been developed for possible use in selecting applicants who are likely to complete their service obligations.

SCN: DM 900109
CRM No.: CRM 89-290
Title: **Effect of the GT Composite Requirement on Qualification Rates**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: AD-A222894
Summary:

Analysis of whether recent changes in the definition of the Armed Forces Qualification Test have reduced the supply of eligible Marine Applicants.

SCN: DM 900110
CNA No.: CRM 89-253
Title: **Approximations for Three Statistical Functions**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1990
DTIC No.: AD-B145693
Summary:

Evaluation of the density and cumulative functions of the normal distribution, and logic function relative to the computerized adaptive testing version of the ASVAB.

SCN: DM 900111
CNA No.: CRM 89-254
Title: **Calculating the Performance Gain Due to Improved Predictive Validity**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1990
DTIC No.: Not held by DTIC
Summary:

Evaluation of a new proposed selection composite for the ASVAB is evaluated.

SCN: DM 900112
CNA No.: CRM 89-314.10
Title: **Identifying Successful Marine Corps Recruits**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1990
DTIC No.: Not held by DTIC
Summary:

The study reviews trends in Marine Corps first-term attrition and then provides an analysis of recruit background characteristics and Marine Corps environment variables associated with successful adaptation to Marine Corps life.

SCN: DM 900113
CNA No.: CRM 90-110
Title: **Incremental Validity of New Tests in Prediction of Infantry Performance**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1990
DTIC No.: Not held by DTIC

Summary:

Investigation of the incremental validity of several tests that were administered as part of the Marine Corps Job Performance Measurement project for the infantry occupational field.

SCN: DM 900114
CNA No.: CRM 89-311
Title: **Methods to Assess the Utility of Proxies**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1990
DTIC No.: Not held by DTIC
Summary:

Reviews methods for quantifying the tradeoffs between using proxy measures of job performance versus the established benchmark criterion of hands-on performance tests.

SCN: DM 900115
CNA No.: CRM 90-47
Title: **An Assessment of Surrogates for Hands-On Tests: Selection Standards and Training Needs**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1990
DTIC No.: Not held by DTIC
Summary:

Job Performance Measurement data is used to analyze the usefulness of six surrogates for infantry tests.

SCN: DM 900116
CNA No.: CRM 90-62
Title: **Length of Time in the Delay-Entry Program and Its Effect on Marine Corps First-Term Survival**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA

Time Frame: Short Range
Status: Completed August 1990
DTIC No.: Not held by DTIC
Summary:

Examines the effects of length of time in the Delayed Entry Program (DEP) on 6- and 45-month active-duty survival rates for male and female Marines entering the Marine Corps in FY 1984.

SCN: DM 900117
CNA No.: CRM 90-17
Title: **Enlisted Women in the Marine Corps:
First-Term Attrition and Long-Term
Retention**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1990
DTIC No.: Not held by DTIC
Summary:

Provides an overview of gender differences in the continuation rates.

SCN: DM 900118
CNA No.: CRM 90-55
Title: **Alternative Measures of Rifle Skills**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1990
DTIC No.: Not held by DTIC
Summary:

Addresses issues related to the use of alternative and surrogate tests of the skills associated with rifle firing.

SCN: DM 900119
CNA No.: CIM 99
Title: **User's Guide for the Marine Corps
Attrition Interactive Database (MCAID) for
the Personal Computer**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)

Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1990
DTIC No.: Not held by DTIC
Summary:

Description of a menu-driven retrieval program that allows access to attrition information of enlisted personnel.

SCN: DM 900301
Title: **Planning Factors Approach**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Develop a methodology for determining planning factors for all classes of supplies and reconcile the competing needs of both acquisition issues for the POM and sustainability issues for MAGTF planners.

SCN: DM 900303
Title: **Middle East Crisis Study**
Category: Concepts and Plans
Classification: Secret
Sponsor: OP-08
Performing Activity: CNA
Time Frame: Short Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Construct a comprehensive, flexible, and readily useable data base on the U.S. response to the Iraqi invasion of Kuwait. The data base will focus on the role and activity of U.S. Maritime Forces in that response, but will include extensive data on the joint and combined (multinational) force aspects of the response.

SCN: DM 900304
Title: **The Marine Corps - Today and Tomorrow**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (R&P)
Performing Activity: ASEC

Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Document major Marine Corps policy decisions that occurred during the period 1987-1990 which refocused and enhanced Marine Corps expeditionary capabilities. Project Marine Corps capabilities in the year 2000.

SCN: DM 900305
Title: **Crisis Interaction Requirements**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (PP&O)
Performing Activity: KAPOs Associates
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To develop training tools which can be used in regional scenarios involving forward deployed MEUS (SOC) and JSOC forces; validating through wargame the attendant mission assignment changes and consequent impact on "hand-off" procedures, integration of C3I, and combat support which would be required in IEHR.

SCN: DM 900306
CNA No.: CRM 89-272
Title: **Analysis of Pre-D-Day Activities of Exercise SOLID SHIELD 89**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1990
DTIC No.: Not held by DTIC
Summary:

Presents a reconstruction of 2nd MAW's activities in the opening phases of SOLID SHIELD 89 and discusses the results and lessons learned.

SCN: DM 900307
CNA No.: CRM 90-172
Title: **MPF Operations in Exercise AHUAS TARA 90**
Category: Operations and Force Structure
Classification: Unclassified

Sponsor: II MEF
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1990
DTIC No.: Not held by DTIC
Summary:

Analysis of the 6th MEB's operations in Exercise AHUAS TARA 90 with emphasis on Roll-On/Roll-Off operations.

SCN: DM 900401
Title: **Expeditionary CSS**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Determine the logistical tasks and CSS functions and sub-functions required to support the four types of MAGTFs (MEF, MEB, MEU, SPF). Identify expeditionary CSS shortfalls and deficiencies in organization, doctrine, concepts, equipment, facilities, and training.

SCN: DM 900402
CNA No.: CRM 90-3
Title: **Initial Activation of West Coast T-AVB**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: I MEF
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1990
DTIC No.: Not held by DTIC
Summary:

Description of the operation and estimated load-out times of the Aviation Logistics Support Ship USNS Curtiss.

SCN: DM 900403
CNA No.: CRM 90-69
Title: **MAGTF Bulk Fuel Requirements**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC

Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1990
DTIC No.: Not held by DTIC
Summary:

Evaluation of the problems associated with supplying petroleum, oil, and lubricants to MAGTFs in likely, future wartime scenarios.

SCN: DM 900404
Title: **Expeditionary CSS**
Category: Operations and Force Structure
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Canceled, incorporated into FY 91 study
DTIC No.: Not held by DTIC
Summary:

Determine expeditionary CSS requirements in support of MAGTFs employed in a number of roles under a variety of conflict situations. Compare expeditionary CSS requirements against current and programmed Marine Corps CSS capability.

SCN: DM 900405
Title: **Marine Corps Ground Ammunition War Material Requirements**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To determine through MCARMS methodology, mobilization requirements and combat planning factors for Class V(W) for the Marine Corps.

SCN: DM 900406
Title: **MAGTF Bulk Fuel Requirements**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range

Status: Completed July 1990
DTIC No.: Not held by DTIC
Summary:

Identify actual fuel usage of the various MAGTFs conducting operations in various scenarios through a survey of selected exercises conducted by FMF units.

SCN: DM 900407
CNA No.: CRM 90-192
Title: **T-AVB Support of Marine Corps Force Modules**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: FMFPAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1990
DTIC No.: Not held by DTIC
Summary:

Examination of T-AVB time lines for four Marine Corps force modules.

SCN: DM 900501
CNA No.: CIM 118
Title: **The Marine Corps Professional Reading Program - Implementation Ideas**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: FMFPAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1990
DTIC No.: Not held by DTIC
Summary:

Discusses the implementation of the Marine Corps Professional Reading Program.

SCN: DM 900701
Title: **MAGTF Integrated Air Defense Study**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: ATI
Time Frame: Long Range
Status: In progress

DTIC No.: Not held by DTIC
Summary:

Identify potential deficiencies in doctrine, organization, training/education and equipment of the Marine Corps' air defense capabilities.

SCN: DM 900702
Title: **CASS Portable Test Set (CPTS) Cost and Operational Analysis**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (ASL)
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Identify possible CPTS alternatives which meet the needs of the Marine Corps operational requirements. Conduct a Cost and Operational Effectiveness Analysis (COEA) on the CPTS alternatives to identify their cost, risk and deployability.

SCN: DM 900703
Title: **Marine Corps Aviation Combat Element**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (APP)
Performing Activity: CNA
Time Frame: Long Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Assist in developing a long range aviation plan for the USMC, addressing the changing threat and capitalizing on evolving technology and new systems to identify the best replacements for the current aircraft inventory.

SCN: DM 900704
CNA No.: CRM 89-227
Title: **MAGTF Aviation Requirements**
Category: Operations and Force Structure
Classification: Secret
Sponsor: HQMC (PP&O) and OP-07
Performing Activity: CNA
Time Frame: Short Range

Status: Completed January 1990
DTIC No.: Not held by DTIC
Summary:

Analysis of the types and numbers of aviation missions needed to support a Marine Expeditionary Brigade are identified. The analysis considers three levels of enemy threat and calculates the required numbers of sea-based or shore-based aircraft to support combat against each threat level.

SCN: DM 900705
CNA No.: CRM 90-101
Title: **Assault Support Operations Against an Integrated Air Defense System During WTI-90**
Category: Operations and Force Structure
Classification: Secret
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1990
DTIC No.: Not held by DTIC
Summary:

Results and lessons learned from an exercise which featured assault support forces penetrating an Integrated Air Defense System.

SCN: DM 900706
CNA No.: CRM 90-61
Title: **A Structure for Marine Corps Antiradiation Missile (ARM) Analysis**
Category: Concepts and Plans
Classification: Secret/NOFORN
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1990
DTIC No.: Not held by DTIC
Summary:

Develops a methodology to assist the Marine Corps in deciding what mix of Antiradiation Missiles (ARMs) to procure to provide suppression of enemy air defenses during deep air support, close air support, close-in fire support, and assault support missions.

SCN: DM 900901
 Title: **C3 Comparison Methodology**
 Category: Science, Technology, Systems, and Equipment
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: Naval Postgraduate School
 Time Frame: Short Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

Development of a methodology to facilitate comparison of alternative C3 architecture based on measures of effectiveness which are accessible through available data.

SCN: DM 901001
 Title: **High Speed Transporter (HST)**
 Category: Science, Technology, Systems, and Equipment
 Classification: Unclassified
 Sponsor: NAVSEASYS COM (PMS-310)
 Performing Activity: ASEC
 Time Frame: Mid-Range
 Status: Completed December 1990
 DTIC No.: Not held by DTIC
 Summary:

Develop and procure a cost-effective, state-of-the-art system to replace the existing AAV7A1 series of assault amphibians.

SCN: DM 901002
 CNA No.: CRM 89-262
 Title: **Ship-to-Shore Movement of the Assault Follow-on Echelon**
 Category: Concepts and Plans
 Classification: Unclassified
 Sponsor: HQMC (PP&O) and OP-07
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed February 1990
 DTIC No.: Not held by DTIC
 Summary:

Presents the results of the Assault Follow-On Echelon (AFOE) ship-to-shore movement study. Results of the analysis of the number of assets required for the movement of bulk petroleum, oil, and lubricants, troops, vehicles, containers, and palletized cargo are presented for both MEB and MEF sized operations.

SCN: DM 901003
 CNA No.: CRM 90-96
 Title: **Advanced Amphibious Assault (AAA) Program Costs and Operational Effectiveness Analysis (COEA) Ship**
 Category: Science, Technology, Systems, and Equipment
 Classification: Unclassified
 Sponsor: MCRDAC
 Performing Activity: CNA
 Time Frame: Long Range
 Status: Completed July 1990
 DTIC No.: Not held by DTIC
 Summary:

Presents the results of the Advanced Amphibious Assault ship-to-shore performance analysis for a MEF. Specifies the amount of time required to move an MEF equipped with the different AAV alternatives ashore.

SCN: DM 901101
 Title: **Marine Corps LIC Employment by the Unified CINCs**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: Internal Marine Corps Working Group
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

To compare CINC low intensity conflict (LIC) and counternarcotics campaign, operations, and contingency plans with the capabilities and deficiencies identified in the MAGTF Master Plan to determine whether Marine forces and the missions for which they are intended are compatible.

SCN: DM 901201
 Title: **Long Range Technology Assessment**
 Category: Science, Technology, Systems, and Equipment
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: BDM
 Time Frame: Long Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

To conduct a projected technology assessment covering the period 2011-2021 in support of the Marine Corps' Long Range Plan.

SCN: DM 901202
Title: **Tactical Directed Energy Warfare (TDEW)**
Category: Science, Technology, Systems, and Equipment
Classification: Secret NOFORN
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Long Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To provide a capability to protect USMC personnel and equipment from the threats and hazards of battlefield lasers and to conduct battlefield surveillance to detect, warn, and counter the enemy's use of lasers.

SCN: DM 901203
CNA No.: CRM 89-287
Title: **Analysis of ELINT Support System (ESS) Alternatives**
Category: Science, Technology, Systems, and Equipment
Classification: Secret/NOFORN
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed February 1990
DTIC No.: Not held by DTIC
Summary:

Analyzes alternatives for meeting the Marine Corps' requirement for an electronic support system. The characteristics of the threat are used to derive the specifications that must be met by such a system.

SCN: DM 901204
CNA No.: CRM 90-13
Title: **IADEX 1-90: Use of Information From Nonorganic Sources by the Integrated Air Defense System**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: 2nd MAW
Performing Activity: CNA

Time Frame: Short Range
Status: Completed April 1990
DTIC No.: Not held by DTIC
Summary:

Description of an experimental architecture which collected information from nonorganic sources and integrated it in near real time into the IADS.

SCN: DM 901205
CNA No.: CRM 90-82
Title: **Unclassified Report of the Use of Nonorganic Sources by the Integrated Air Defense System in IADEx 1-90**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1990
DTIC No.: Not held by DTIC
Summary:

Unclassified report of DM 901204.

SCN: DM 901206
CNA No.: 90-48
Title: **Comparison of Two Cueing Systems for LAAD Teams**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1990
DTIC No.: Not held by DTIC
Summary:

Results of a comparison of two cueing systems for Low-Altitude Air Defense teams.

SCN: DM 901207
CNA No.: CRM 90-138
Title: **Advanced Amphibious Assault Program Cost and Operational Effectiveness Analysis: Performance Analysis**
Category: Science, Technology, Systems, and Equipment
Classification: Secret/PROPIN
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1990
DTIC: Not held by DTIC
Summary:

Compares the Advanced Amphibious Assault (AAA) program alternatives with respect to several performance parameters, including mobility, survivability, and firepower.

SCN: DM 901208
CNA No.: CRM 90-223
Title: **Analysis of Interim Fireflex Systems**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCRDAC and MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1990
DTIC No.: Not held by DTIC
Summary:

Examines interim fireflex systems' functionality, risk, schedule, supportability, growth potential, and cost.

SCN: DM 901209
CNA No.: CRM 90-179
Title: **Advanced Amphibious Assault Program Cost and Operational Effectiveness Analysis: Force Effectiveness**
Category: Science, Technology, Systems, and Equipment
Classification: Secret/NOFORN
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed October 1990
DTIC No.: Not held by DTIC
Summary:

Description of the effectiveness analysis portion of the Advanced Amphibious Assault program. Two scenarios are described in detail. The amphibious warfare model equipped with various alternatives is examined.

SCN: DM 901210
CNA No.: CIM 123
Title: **Detailed Attrition Data for the Advanced Amphibious Assault Program Cost and Operational Effectiveness Analysis**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed October 1990
DTIC No.: Not held by DTIC
Summary:

Description of the data used in the effectiveness analysis and the methodology employed to calculate data in the Amphibious Warfare Model.

SCN: DM 901211
CNA No.: CRM 90-106
Title: **Advanced Amphibious Assault (AAA) Program Cost and Operational Effectiveness Analysis (COEA): Ship-to-Shore Supporting Analysis**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MCRDAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed November 1990
DTIC No.: Not held by DTIC
Summary:

Provides the detailed data that supports a previously published study. Included are a detailed listing of alternative vehicle characteristics, a description of the results for the Marine Expeditionary Brigade, an explanation of the combat power methodology and calculations, and a complete description of the ship-to-shore serials.

SCN: DM 901302
 Title: **Mission Area Analysis MA12 - Intelligence**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: Internal Marine Corps Working Group
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

Define and describe the USMC mission requirements for intelligence in the period FY 92-97, identify and assess present and programmed capabilities which contribute to mission accomplishment, and identify and prioritize deficiencies.

SCN: DM 901303
 Title: **Mission Area Analysis MAs 41/42/43 - Supply/Maintenance/Services**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: Internal Marine Corps Working Group
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

Define and describe the USMC mission requirements for supply, maintenance, and transportation for the period FY 92-97; identify and assess present and programmed capabilities which contribute to mission accomplishment, and prioritize deficiencies.

SCN: DM 901501
 Title: **Low Intensity Conflict Simulation Development**
 Category: Concepts and Plans
 Classification: Unclassified
 Sponsor: MCCDC
 Time Frame: Short Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

To provide simulation design, scenario development and upgrade, automation development, training document development, and analytical support in the development of a simulation appropriate to a Low Intensity Conflict environment.

SCN: DM 901801
Title: **Marine Corps Studies Information System**
Category: Management
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: Defense Training and Performance Data Center
Time Frame: Short Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Investigate the feasibility of the design and development of an automated data base management system for the input, tracking, and analysis of the Marine Corps Study System.

SCN: DM 901802
Title: **Marine Corps Combat Development Command Analysis Study (Phase I)**
Category: Management
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed May 1990
DTIC No.: Not held by DTIC
Summary:

Analyze the Marine Air-Ground Training and Education Center (MAGTEC) organizational structure and procedures to identify a method to align and enhance Marine Corps-wide training responsibilities and resource allocation.

SCN: DM 901803
CNA No.: CIM 132
Title: **A Sampling of U.S. Naval Humanitarian Operations**
Category: International Security
Classification: Unclassified
Sponsor: HQMC (PP&O) and (OP-06)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed November 1990
DTIC No.: Not held by DTIC
Summary:

Provides a sampling of U.S. Naval humanitarian operations over the past four decades.

3.8. Fiscal Year 1991

SCN: 29-910101
Title: USMC Manpower, Personnel, and Training
(MPT) Course Analysis and Development
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: MCRDAC
Performing Activity: ATI
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Develop and demonstrate a prototype course curriculum for the formal MPT training of Marine Corps personnel.

SCN: 29-910102
Title: Casualty Rate Estimation
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (MPP)
Performing Activity: TBD
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Incorporate the results of the U.S. Navy DNBI Study into the CASRATE planning methodology, and develop a CASRATE-compatible estimation method for casualties resulting from nuclear, biological and chemical (NBC) weapons.

SCN: 29-910103
Title: Revision of Manpower Requirements
Determination Program (MRDP)
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: TBD
Time Frame: Mid-Range
Status: Approved for FY 91
DTIC No.: Not held by DTIC
Summary:

To explore methods of determining manpower requirements or revising the current MRDP procedure in order to speed up the process and reduce its cost.

SCN: 29-910104
 Title: **SO/LIC OPS Foreign Language Proficiency**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: TBD
 Time Frame: Mid-Range
 Status: Approved for FY 91
 DTIC No.: Not held by DTIC
 Summary:

Analysis of the need for foreign language proficiency and recommend programs to enhance the Marine Corps' foreign language capabilities.

SCN: 29-910201
 Title: **Mission Area Analysis MA 46 - Services**
 Category: Concepts and Plans
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: Internal Marine Corps Working Group
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

To define and assess the MAGTF's combat service support mission requirements and capabilities of both the current and programmed force to meet these requirements, and identify and prioritize deficiencies.

SCN: 29-910202
 Title: **Command and Control Concept for Maneuver Warfare and Over-the-Horizon (OTH) Operations**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: ATI
 Time Frame: Long Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

Develop a concept for a command and control system that will support the requirements imposed by using maneuver warfare and OTH operations.

SCN: 29-910203
Title: **MAGTF Operations in an NBC Environment**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: ATI
Time Frame: Mid-Range
Status: Approved
DTIC No.: Not held by DTIC
Summary:

Determine alternatives for how an expeditionary Marine Air-Ground Task Force (MAGTF) can survive and maintain momentum in an NBC environment by looking at how the MAGTF protects itself, detects and identifies hazards, decontaminates personnel and equipment, and warns and reports the presence of NBC hazards.

SCN: 29-910204
Title: **Mission Area Analysis MA 13 - Security**
Category: Concepts and Plans
Classification: Confidential
Sponsor: MCCDC
Performing Activity: Internal Marine Corps Working Group
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To define and assess the MAGTF's security mission requirements and the capabilities of both the current and the programmed force to meet these requirements, and identify and prioritize deficiencies.

SCN: 29-910205
Title: **Marine Corps Scenario Development**
Category: Concepts and Plans
Classification: Secret/NOFORN
Sponsor: MCCDC
Performing Activity: Internal Marine Corps Working Group (Phase I)
Contractor - TBD (Phase II)
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To define Marine Corps scenario requirements; to develop a design architecture for a family of scenarios which will support wargaming, modeling, and mid- and long-range research, development and analysis; and to develop, revise, and/or modify existing scenarios to support defined requirements.

SCN: 29-910206
Title: **Mission Area Analysis MA 32 - Anti-Air Warfare**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: Internal Marine Corps Working Group
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To define and assess the MAGTF's and U.S. Navy's anti-air warfare mission requirements, determine the capabilities of both the current and programmed force to meet these requirements, and identify and prioritize deficiencies.

SCN: 29-910207
Title: **Mission Area Analysis MA 70 - Manpower**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: Internal Marine Corps Working Group
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To define and assess the Marine Corps' manpower requirements, determine capabilities to manage personnel procurement, classification and distribution, and identify and prioritize deficiencies.

SCN: 29-910208
Title: **NorthEast Asia Scenario**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: TRADOC
Time Frame: Long Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To develop theater, corps, and MAGTF scenarios for the 2000-2005 time frame based on the Illustrative Planning Scenario in the Defense Guidance and existing campaign plans.

SCN: 29-910301
 Title: **The Marine Corps Model**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: Internal Marine Corps Working Group (Phase I)
 Contractor-TBD (Phase II)
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

To develop a prototype family of models that incorporate knowledge-based expert system applications to support MAGTF force structure planning.

SCN: 29-910302
 Title: **OPSTEMPO and Readiness (1991-2010)**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: HQMC (LPM)
 Performing Activity: TBD
 Time Frame: Long Range
 Status: Approved
 DTIC No.: Not held by DTIC
 Summary:

To develop a methodology to show the effect on MAGTF readiness and sustainability resulting from a change in OPSTEMPO or a material shortage in various classes of supply; and to quantify the impact that cuts to O&M funding will have on MAGTF readiness and sustainability.

SCN: 29-910303
 Title: **Tailoring the MAGTF for Combat Against a Strong Armored Threat**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: Marine Corps University
 Performing Activity: Naval Postgraduate School
 Time Frame: Short Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

Determine the optimum organizational structure of the MAGTF capable of conducting offensive operations in level desert terrain against a strong armored enemy while continuing to possess effective strategic mobility.

SCN: 29-910304
 Title: **Automation of the Marine Corps Health Service Support (HSS) for Use Within the Combat Service Support Training Simulation System**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: CASCOT
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

Build Marine Corps HSS structures, their inherent task organization, mission and treatment capabilities, authorized medical and dental lists (AMAL/ADALs) and supply levels, and organic HSS transportation assets.

SCN: 29-910305
 Title: **Marine Corps Aviation Mishap Rate Assessment**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: HQMC (ASA)
 Performing Activity: ASEC
 Time Frame: Short Range
 Status: In progress
 DTIC No.: Not held by DTIC
 Summary:

An impartial evaluation of current Marine Aviation concepts, policies, techniques, methods, and systems from calendar year 1986 to the present; to determine the underlining cause(s) of 1990's mishaps, and to recommend modifications to concepts, policies, procedures, etc., that would enhance aviation safety within the constraints of Marine Aviation's mission and force structure.

SCN: 29-910401
 Title: **Command Religious Program Logistics in Combat (1991-2000)**
 Category: Installations and Logistics
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: TBD
 Time Frame: Mid-Range
 Status: Approved for FY 91
 DTIC No.: Not held by DTIC
 Summary:

To determine chaplain hardware and consumable kit requirements based on the religious demographics of Marines, the number of chaplains assigned to the Marine Corps and their religious affiliation, and specific combat kit needs. Determine replenishment/logistic requirements for chaplain kits and identify shortfalls in the present system.

SCN: 29-910501
Title: **Mines/Minelaying and Countermine Requirements for the Mid-Range**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: ATI
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Survey current mine and countermine capabilities; compare requirements and capabilities; and determine deficiencies and make recommendations for changes in doctrine, organization and equipment.

SCN: 29-910502
Title: **Unmanned Ground Vehicles (UGV)**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: Unmanned Ground Vehicle Joint Project Officer
Performing Activity: AMSAA
Time Frame: Long Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

Identify warfighting missions UGVs can effectively perform based on both the opportunities presented by the technology and on current, identified deficiencies.

SCN: 29-910503
Title: **Night Enhancement Capabilities for MAGTF Close Combat Operations**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MCCDC

Performing Activity: TBD
Time Frame: Mid-Range
Status: Approved for FY 91
DTIC No.: Not held by DTIC
Summary:

Determine the most appropriate and effective right enhancement capabilities for close combat during the period 1995-2004. Develop a NEDs POA&M to guide Marine Corps research, development, and acquisition strategy.

SCN: 29-910601
Title: **Wargaming in Support of the POM Process**
Category: Management
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: DDI
Time Frame: Mid-Range
Status: In progress
DTIC No.: Not held by DTIC
Summary:

To determine which wargames can best support the PPBS process and to define procedures that will integrate those wargames into the process.

APPENDIX 1

STUDIES CONTROL NUMBERING SYSTEM FY 1986/1987

1. All SCNs contain the Marine Corps DTIC accession indicator "DM" followed by six digits positioned as described below:

a. The first position indicates the last digit of the fiscal year.

b. The second position contains "1" for all studies.

c. The third position contains a single digit indicating the type of funding used for the study.

d. The fourth and fifth positions contain two digits identifying the category:

01	=	Manpower and Personnel
02	=	Concepts and Plans
03	=	Operations and Force Structure
04	=	Installations and Logistics
05	=	Science, Technology, Systems and Equipment
06	=	Management
07	=	Intelligence
08	=	International Security
09	=	Training
10	=	Mission Area Analysis
11-18	=	Unassigned
19	=	Studies Program Administration

e. The sixth position contains a sequence number for each category.

APPENDIX 2

STUDIES CONTROL NUMBERING SYSTEM FY 1988 - 1990

1. All SCNs contain the Marine Corps DTIC accession indicator "DM" followed by six digits positioned as described below:

a. The first two positions indicate the last two digits of the fiscal year.

b. The third and fourth positions contain two digits identifying the category:

- 01 = Manpower/Personnel/Force Structure
- 02 = Intelligence
- 03 = Operations/Plans/Scenarios
- 04 = Combat Service Support (I&L)
- 05 = Training
- 06 = Ground Combat
- 07 = Aviation
- 08 = Medical
- 09 = Command, Control, Communications
- 10 = Amphibious Warfare
- 11 = Special Operations/Security
- 12 = Science and Technology (R&D)
- 13 = Mission Area Analysis
- 14 = Navy Sponsored Study
- 15 = Army Sponsored Study
- 16 = Air Force Sponsored Study
- 17 = OSD Sponsored Study
- 18 = Miscellaneous

c. The fifth and sixth positions contain a sequence number for each category.

APPENDIX 3

STUDIES CONTROL NUMBERING SYSTEM FY 1991

i. All SCNs contain the Marine Corps DTIC accession indicator "29" followed by six digits positioned as described below:

a. The first two positions indicate the last two digits of the fiscal year.

b. The third and fourth positions contain two digits identifying the category:

- 01 = Manpower and Personnel
- 02 = Concepts and Plans
- 03 = Operations and Force Structure
- 04 = Installations and Logistics
- 05 = Sciences, Technology, Systems, and Equipment
- 06 = Management
- 07 = Intelligence
- 08 = International Security

c. The fifth and sixth positions contain a sequence number for each category.